

Exhibit 62

PLAINTIFFS' RESPONSE TO DEFENDANTS' MOTION TO EXCLUDE GENERAL CAUSATION TESTIMONY OF PLAINTIFFS' EXPERTS

Case No.: 4:22-md-03047-YGR

MDL No. 3047

In Re: Social Media Adolescent Addiction/Personal Injury Products Liability Litigation

EXPERT REPORT OF**Eva Telzer, Ph.D.****May 16, 2025**

The undersigned hereby certifies their understanding that they owe a primary and overriding duty of candor and professional integrity to help the Court on matters within their expertise and in all submissions to, or testimony before, the Court. The undersigned further certifies that their report and opinions are not being presented for any improper purpose, such as to harass, cause unnecessary delay, or needlessly increase the cost of litigation.

A handwritten signature in black ink, appearing to read 'Eva Telzer', with a horizontal line extending to the right.

Eva Telzer, Ph.D.

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I. Assignment and Methodology

1. I have been asked to provide an overview of the adolescent brain, the vulnerabilities that exist that increase the risk of harm for social media, and the relationship between social media use and function and structural changes to the adolescent brain. As part of this assessment, I have reviewed the environmental factors that are widely recognized to influence brain development and how they relate to characteristics of problematic use of social media in adolescents. I have also assessed the relationship between student social media use and schools, including effects on students' ability to learn and the classroom environment. My opinions are based upon my own education, knowledge, training, experience and research, a review of literature examining the effects of social media on adolescent brain development and mental health, and the work of others in the field, as well as underlying Defendant documents and deposition testimony. For purposes of this report, I conducted searches in PubMed and Google Scholar to identify relevant studies, the same method that I typically apply. I have also reviewed studies that were contained within other published literature and cited within consensus reports or publicly available documents. All my opinions expressed below are held to a reasonable degree of scientific certainty. I reserve the right to supplement these opinions should new facts and data become available.

2. I have attached to my report my full CV and Prior Publications (Exhibit A), Materials List (Exhibit B), Compensation Statement (Exhibit C), Prior Testimony (Exhibit D).

II. Executive Summary of Opinions

3. Based on the foregoing I hold the following opinions to a reasonable degree of scientific certainty:

4. Adolescent brains are undergoing rapid development. This period of development makes it particularly vulnerable to the negative impacts of social media.

5. Social media is characterized by a set of features designed to promote endless engagement. These features – which include social comparison, positive feedback, metrics, targeted algorithms, and intermittent variable rewards – can cause problematic usage in children and teenagers.

6. A review of Defendants’ documents provides further evidence that social media platforms are designed to promote engagement, and that use is associated with negative mental health outcomes.

7. In addition to these clinical effects, heavy social media use changes the development of the adolescent brain, altering it from what would have been considered typical prior to the advent of social media. Longitudinal studies prove that heavy social media use results in functional and structural changes to areas of the teenage brain that are typically associated with addiction, executive control, and social belonging.

8. Based on my education and experience, these changes in the brain lead me to believe that teenagers are particularly vulnerable to developing problematic social media use or outright addiction.

9. Both problematic social media use and addiction can cause or contribute to loss of sleep, anxiety, depression, low self-esteem, negative social comparison, other mental health problems, and conflicts with parents.

10. There is strong evidence that neurobiologically vulnerable youth are at heightened risk for developing problematic social media use, and especially for girls, this leads to higher rates of depression.

11. These findings provide strong evidence that social media causes depressed mood in teenagers.

12. Some adolescents that use social media can exhibit impulsivity and difficulties in self-regulation, which are core features of ADHD.

13. Similarly, the ability to sustain attention on a task despite distractions can be disrupted by frequent phone checking, as notification or urge to scroll social media fragments attention and reduces the capacity for deep, sustained thinking. These changes will negatively affect the students' ability to learn in the classroom.

14. Social media use has altered the school environment. In addition to the cognitive changes that affect the ability to learn, studies shows that students are spending a large portion of the school day on social media.

15. As discussed below, several studies indicate that students are picking up their phone extensively throughout the day, including some students that are picking up over 100 times a school day and spending greater than 1/3 of each school hour on social media.

16. Parenting has changed with the advent of social media. Many parents fail to understand the full extent of harms that can be caused by social media use. Nor is it reasonable for a parent to monitor their child 24/7. It is critical that tech companies fully inform parents and children of the true risks of their platform so that informed decisions can be made as a family.

III. Professional Background & Experience

A. 3.1 Academic background

17. I am a Professor of Psychology and Neuroscience at the University of North Carolina Chapel Hill (UNC), the Program Director for the developmental psychology graduate program, and the co-Director of the Winston National Center for Technology Use, Brain, and Psychological Development at UNC. I also hold a faculty appointment in the Biomedical Research Imaging Center in the School of Medicine at UNC.

18. I received my undergraduate degree in Psychology at Mount Holyoke College in 2004, where I graduated magna cum laude with highest honors. I received a prestigious postbaccalaureate intramural research training award to work at the National Institutes of Health (NIH) from 2004-2006 where I was trained in developmental cognitive neuroscience. I completed my Masters (2007) and PhD (2012) in Psychology (with a focus on developmental psychology) at the University of California Los Angeles (UCLA).

19. I began my faculty career at the University of Illinois Urbana Champaign as an Assistant Professor (2012). I was recruited to UNC in 2016 where I was awarded tenure early (2019) and was promoted to Full Professor (2023).

B. 3.2 Research & Publication history

20. As a developmental cognitive neuroscientist with expertise in adolescence, I have implemented multiple longitudinal studies examining the neurodevelopment of the adolescent brain. I have expertise in complex methodological and analytical tools in developmental cognitive neuroscience including the use of laboratory-based computer tasks, ecological momentary assessment (EMA), functional magnetic resonance imaging (fMRI) in developmental populations, and longitudinal techniques for analyzing neuroimaging data.

21. I have published over 230 peer reviewed research articles, reviews, and commentaries. Many of these publications address the links between social media and tech use and adolescents' health and well-being, with a particular focus on brain development. I have used rigorous longitudinal methods and brain imaging to show that adolescents' social media behaviors are related to depressive symptoms, daily social connection, body image, sleep, and changes in the brain's functional development.

22. In 2023, I published a groundbreaking study in *JAMA Pediatrics* examining how habitual checking behaviors on social media relates to longitudinal functional brain development. This is the first study to show that social media use early in adolescence is related to functional changes in the developing brain (Maza et al., 2023).

23. In 2024, I published a study in *Social Cognitive Affective Neuroscience* showing early neural vulnerabilities in adolescents that predict addiction-like social media behaviors and depressive symptoms over a 5-year period (Flannery et al., 2024).

24. I have published 12 book chapters in edited volumes. One of these book chapters, published in 2024 in *The Handbook of Media Psychology*, provides a comprehensive review on how social media shapes the developing brain of adolescents (Rich et al., 2024). In 2022, I edited a handbook on *Adolescent Digital Media Use and Mental Health*. This handbook gathered writing from experts around the world to discuss the role of social media on adolescents' body image, disordered eating, sleep, depression and anxiety, brain development, health risk behaviors, addiction, and suicide and self-injury (Nesi et al., 2022). Notably, *The Handbook of Adolescent Digital Media Use and Mental Health* was used by relevant legislative and federal agency staffs to develop bills and reports (e.g., Kids Online Safety Act).

25. My papers have been cited over 15,000 times. I have an h-index of 67 and an i10-index of 169. These statistics place me in the 99th percentile of the most highly cited Professors in Psychology (Ruscio & Prajapati, 2013). The U.S. Surgeon General cited my research in the "Social Media and Youth Mental Health Advisory" in 2023 (Office of the Surgeon General, 2023).

26. My research on social media has been featured in the New York Times (Barry, 2023), CNN (Holcombe, 2023), and many other news outlets, and I have been an expert guest on

Good Morning America (*Instagram Announces “Quiet Mode” to Help Protect Teens [Video]*, 2023), CNN This Morning Weekend (*Social Media Could Be a Brain-Changer for Teens*, 2022), CNN The Whole Story with Anderson Cooper (*The Whole Story on the Battle Between Tech Giants and Families*, 2023), and ABC News (*Social media is changing how children’s brains develop, UNC researchers find*, n.d.).

27. I have been invited to give presentations and provide expert advice to school districts, legislators, and the public regarding the role of social media on youth development. I have given over 20 talks just in the past 2 years on this topic.

28. I have published 3 articles in *Frontiers for Young Minds*, a journal that publishes science for kids (Bezdek & Telzer, 2017; Jorgensen & Telzer, 2020; McBride & Telzer, 2020).

29. I have been a reviewer and assisted in organizing the program for several conferences (Review Panel Chair, Society for Research on Adolescence Biannual Meeting, 2018, 2020, 2023; Reviewer, Annual Meeting of the Cognitive Science Society, 2017; Reviewer, Society for Research on Child Development Biannual Meeting, 2017; Reviewer, Society for Research on Adolescence Biannual Meeting, 2016; Review Committee, Social and Affective Neuroscience Society Annual Meeting 2016). I also served on and chaired the program committee for the Flux Congress Society for Developmental Cognitive Neuroscience. I served on the program committee for the Flux Congress Society for Developmental Cognitive Neuroscience Meeting in Berlin Germany (September, 2018) and Paris France (September, 2022) which involved selecting and inviting speakers for the invited program, reviewing submitted abstracts and selecting the speakers as well as nominating travel awards. I also organized the Flux Congress Society for Developmental Cognitive Neuroscience Satellite Meeting on “Big Data Little Brains” (May, 2018). This involved the initial conception of the idea to promote the use of big data in developmental cognitive

neuroscience. I organized the entire program, including inviting renowned speakers from the U.S. and abroad. This endeavor had 31 speakers, 73 poster presentations, and 170 attendees from 23 states and 4 countries.

C. 3.3 Honors, grants and awards

30. I have received several national and international awards recognizing my research contributions. In 2015 I was awarded an Association for Psychological Science Rising Star Award. In 2018 I was awarded an Early Career Award from the Society of Research on Adolescence. In 2019 I was awarded a Young Investigator Award from the Flux Congress Society for Developmental Cognitive Neuroscience. In 2020 I was awarded the American Psychological Association's Boyd McCandless Award for Early Career Contribution to Developmental Psychology. In 2022 I was awarded the American Psychological Association Distinguished Scientific Award for Early Career Contribution to Psychology.

31. I have had continuous external funding totaling over \$10,000,000, including 2 R01s from the National Institute of Drug Abuse (R01DA039923; R01DA051127), 2 NSF grants (SES1459719; BCS1539651), 4 private foundation grants from the Jacobs Foundation, the Brain and Behavior Research Foundation, the Templeton Foundation, and the Winston Family Foundation, as well as 3 diversity supplements to support students with a focus on increasing underrepresented populations in drug abuse and addiction research. I also received over \$10,000,000 from the Winston Family Foundation to launch and co-direct the Center on Technology Use, Brain, and Psychological Development. I am additionally a co-investigator on multiple NIH grants. I have been the primary investigator or co-investigator on over 25 funded grants.

32. In 2015, I was awarded over \$2.8 million from the National Institute of Drug Abuse to study the role of family and peer contexts on longitudinal changes in brain development and risk for drug use.

33. In 2015, I was awarded over \$150K from the National Institute of Mental Health to examine how chronic peer stress sensitizes the developing brain to social threat and contributes to the emergence of depression in adolescent girls.

34. In 2018, I was awarded an Early Career Research Fellowship from the Jacobs Foundation to study trajectories of prosocial behavior and risk taking across adolescence.

35. In 2020, I was awarded over \$3.2 million from the National Institute of Drug Abuse to conduct longitudinal research examining how peer influence and changes in the developing brain place adolescents at risk for drug abuse.

36. In 2022, I was asked to join a \$6.1 million Center grant funded by the National Institute of Human Development to be a co-investigator examining the links between digital media use and neural activation related to social influence in adolescents.

37. In 2024, I was awarded over \$2 million from the Templeton Foundation to examine how peers influence character development on social media via changes in brain development.

38. I review grants for several national and international funding agencies, including serving as an ad hoc reviewer for the National Science Foundation, European Research Council, Russel Sage Foundation, Israel Science Foundation, the Social Sciences and Humanities Research Council of Canada, and the Graduate Women in Science (GWIS) National Fellowship Program. I am a member of the College of Reviewers for Developmental Sciences at the National Science Foundation (2016-present). My most prestigious service in this area was the invitation to serve as a member of the Psychosocial Development, Risk, and Prevention (PDRP) Study Section at the

National Institutes of Health. This invitation is usually reserved for tenured faculty, but my successful grant history, including an R01 from the NIH, prompted an early career invitation as an Assistant Professor. I was a member of PDRP from 2016-2020.

D. 3.4 Current professional activity

39. **Developmental Social Neuroscience Lab.** In 2012, I founded the Developmental Social Neuroscience Lab, a group of researchers that currently includes 3 postdoctoral scholars, six graduate students, six full time research staff, and 1 Research Assistant Professor, that I directly supervise. The mission of my lab is to understand the complex role of the social context on adolescent brain development, with a focus on social relationships and long-term psychological and behavioral adjustment.

40. My lab's research began by focusing primarily on family relationships, and how the family may serve as both a protective and risk factor contributing to youth's brain development and subsequent adjustment, including risk taking and substance use. The transition from late childhood to early adolescence parallels a shift from susceptibility to parental influence to susceptibility to peer influence. While parents continue to play an important influence, adolescents spend more time with peers than with parents and form more interdependent bonds with their peers. Thus, my lab's research quickly began to incorporate the important role of peers.

41. In the span of a generation, social media has dramatically changed the landscape of adolescents' peer relationships, providing unprecedented opportunities for social interactions around the clock. Most of adolescents' social interactions are now occurring over social media. Indeed, nearly all adolescents in the United States are on social media, with 67% using it every day (Rideout et al., 2022). The rise in social media use is happening during a critical developmental period when the brain is undergoing rapid developmental changes and

reorganization, second only to infancy (Fuhrmann et al., 2015). Thus, my lab couldn't continue to understand how peers and the social environment affect adolescent neurodevelopment if we didn't study social media. Now, the majority of the work in my lab focuses on how adolescents' neurobiological development may interact with their social media experiences to shape developmental outcomes. My lab seeks to understand how neurodevelopment may impact adolescents' sensitivity when perceiving, processing, and responding to social information in digital contexts, and how social media experiences may shape and change the developing brain.

42. My lab is the only lab in the world devoted to using longitudinal neuroscience techniques to understand how adolescents develop in their social world with a particular focus on social media contexts.

43. **Winston Center on Technology and Brain Development.** As a leading public research university, the University of North Carolina at Chapel Hill is dedicated to providing solutions for the betterment of society. The ubiquitous presence of technology has substantially changed our society, affecting public discourse, close personal relationships, and psychological development, with measurable impacts on cognitive, neural, social, cultural, emotional, and behavioral functioning. The generation of science regarding the associations between technology use and psychological development has become a national priority. In addition, there is an ongoing urgent need to further disseminate the results from this science and produce resources that can be used for outreach and engagement for parents, teachers, and teenagers.

44. In 2020, a \$3 million gift from the Winston Family Foundation established the Winston Family Initiative in Adolescent Brain Development and Technology, and in 2023, a \$10 million gift from the Winston Family Foundation established the Winston National Center on Technology Use, Brain, and Psychological Development. The center grew in research

productivity, scope of work, and national recognition, and in 2025, the center became a new pan-campus center under the Office of the Vice Chancellor for Research, rebranding as the Winston Center on Technology and Brain Development.

45. As the founder and co-Director of the Winston Center, I oversee a team of over 20 scientists, teachers, students, and faculty. I guide the research and teaching directions we take, and I ensure that our science remains rigorous and unbiased. As such, we do not take funds from social media companies to support our research.

46. Since launching, The Winston Center has become an influential authority on the role of social media and youth development and is the only center in the world devoted to using neuroscience techniques to conduct rigorous science to understand how social media shapes the developing brain. The goal of our center is to ensure that science is used to guide decisions by parents, teachers, policymakers, and youth to reduce the potential harms caused by social media.

47. **Editorial Positions at Academic Journals.** Since 2021, I have been the Associate Editor for *Child Development* (*Child Development*, n.d.). *Child Development* is the flagship journal of the Society for Research on Child Development and has been publishing the most rigorous research in the field for nearly 100 years. As the only expert in developmental cognitive neuroscience on the editorial board, I oversee all publications of papers that use neuroimaging to understand child development.

48. Since 2020, I have been the Associate Editor for *Social Cognitive Affective Neuroscience* (SCAN) (*Social Cognitive and Affective Neuroscience*, n.d.). SCAN is an interdisciplinary journal that integrates across fields including neuroscience, social psychology, and developmental psychology. As one of two experts in developmental psychology on the editorial board, I oversee most submissions that use child or adolescent populations.

49. I just began as a Section Editor at the newly founded journal, *Brain and Environment* (BRAEN) (*Brain and Environment: The Journal for Brain-Environment Interactions*, n.d.). BRAEN was founded to fill an important gap, bridging research on neuroscience and the environment. As the inaugural section editor for this journal, I was invited to oversee all submitted articles related to social media.

Teaching responsibilities

50. **Courses offered (graduate and undergraduate).** In 2020, I designed and created a new course for undergraduates - Social Media, Technology, and Adolescent Brain Development (PSYC 180). I cover topics including parenting in the digital age, how social media shapes body image, neural development in the context of social media, how social media impacts sleep, peer relationships and cyberbullying. Across multiple semesters, I have taught nearly 400 students in this course. In 2021, I received a teaching commendation for PSYC 180. This award is based on receiving the highest student evaluations in the department.

51. Since 2012, I have been teaching an advanced undergraduate course – Adolescent Development (PSYC 471). I cover topics including family relationships, peer relationships and cyberbullying, social media, neural development in adolescence, risk taking and peer influence, school and academic achievement, pubertal development and body image. This course enrolls between 30-120 students per semester.

52. Since 2012, I have been teaching a PhD graduate level course on developmental social neuroscience (PSYC 768). This course covers topics related to adolescent brain development in the context of peer and family relationships, digital media, risk taking, and mental health.

53. **PhD supervising.** I have mentored 13 PhD students (6 of whom are current). Of the 7 who graduated, all have gone on to academic careers at competitive universities, including Northwestern University, University of Delaware, University of Washington at St Louis, UCLA, and Bar Ilan University.

54. I have mentored 12 postdoctoral scholars (3 of whom are current). My prior postdoctoral scholars have gone on to successful careers in academia, including tenure track positions at Virginia Tech, Texas Tech, Tufts University, Cal Polytechnic State University San Luis Obispo, and Georgia State University.

E. 3.5 Community Service

55. I am committed to connecting my research with the populations that I study by engaging in outreach activities that focus on connecting youth and parents to science related to brain development, adolescence, and social media. Through the Carolina Millennial Scholars Program, my lab hosts a “Brain Academy” for middle school boys from under-represented backgrounds (Fall of 2016, 2017, 2018), during which we hold hands-on workshops with tours of our lab, mock scan sessions, mini-experiments, and we discuss ways for them to get involved in research and science. My lab hosted a similar program for *Project Uplift*, a program for academically gifted high school students from underrepresented populations (2018). I also participate in the annual UNC Science Expo, during which my lab sets up a booth to provide families with hands-on activities to teach them about the brain in a fun and engaging way.

56. I publish in *Frontiers for Young Minds*, an open access journal written for child and adolescent readers and peer reviewed by youth with the aim of making cutting-edge science available to younger audiences by having youth and scientists to work together to create articles that are both scientifically accurate and exciting (*Frontiers for Young Minds: Science for kids*,

edited by kids, n.d.). I have published 3 articles with my students in *Frontiers for Young Minds* (Bezdek & Telzer, 2017; Jorgensen & Telzer, 2020; McBride & Telzer, 2020).

57. I regularly give talks, expert advice, and seminars to the public, including to schools, parent groups, and government agencies. In the past 2 years, for example, I was the keynote speaker to talk about the role of social media for adolescent mental health for Tulsa Public Schools Adolescent Summit and Gestalt Community Schools Teen Social Media Summit. I served as an expert to the school administrators, counselors, and teachers, discussing their concerns about social media in school.

58. In my community I am an expert consulting with schools; I was sought after for advice on phone policies in schools. I am working with the Chapel Hill school district, providing expert advice to the administrators and talking to parent groups. In addition, we have partnered with the North Carolina Collaboratory to conduct research in 8 middle schools - one in each of the eight State Board of Education regions (*North Carolina Collaboratory*, n.d.; *State Board of Education Members*, n.d.). Our goal is to advise the NC State Board of Education and Members of the NC General Assembly on policies for phones in schools.

IV. Detailed Statement of Opinions

A. What is Developmental Cognitive Neuroscience?

59. I am a **developmental cognitive neuroscientist**, which is a field at the intersection of cognitive neuroscience and developmental psychology. My PhD included extensive training in social psychology, developmental psychology, and cognitive neuroscience. I have also collaborated closely with clinical psychologists and psychiatrists.

B. 4.1. Related Fields

60. The fields of cognitive neuroscience, developmental psychology, social psychology, clinical psychology, and psychiatry all focus on understanding human behavior and mental processes, but they differ in their approaches, areas of focus, and methods, which I explain below.

61. **Cognitive Neuroscientist** (*Learn How To Become A Cognitive Neuroscientist | CareersinPsychology.org*, n.d.). Cognitive neuroscientists study how the brain enables cognitive functions like perception, memory, attention, language, decision-making, and problem-solving. They aim to understand the neural mechanisms that underlie these mental processes. Cognitive neuroscientists typically hold a Ph.D. in neuroscience, psychology, or a related field, with a focus on the neural basis of cognition. They often have strong backgrounds in biology, neuroscience, and cognitive psychology. Cognitive neuroscientists use advanced neuroimaging techniques (e.g., functional magnetic resonance imaging or fMRI) to measure brain activity. Cognitive neuroscientists conduct experiments to study how the brain processes information and how different areas of the brain contribute to cognitive functions like perception, memory, attention, language, decision-making, and problem-solving.

62. **Developmental Psychologist** (*Pursuing a Career in Developmental Psychology*, n.d.). Developmental psychologists study the psychological changes that occur over the course of a person's life. They are particularly interested in how people grow cognitively, emotionally, socially, and physically, and how these processes are influenced by biological, environmental, and cultural factors. Much of their work focuses on childhood and adolescence, but some also study aging and the later stages of life. Developmental psychologists typically hold a Ph.D. in psychology or human development. Developmental psychologists largely conduct longitudinal

studies and experiments to observe changes in behavior, cognition, and emotion across different ages. Developmental psychologists examine how experiences (e.g., parenting, education) shape development.

63. **Social Psychologist** (*Pursuing a Career in Social Psychology*, n.d.). Social psychologists study how individuals' thoughts, feelings, and behaviors are influenced by their social environments, including other people, social norms, and cultural contexts. They explore how people perceive, interact with, and influence each other. Social psychologists usually hold a Ph.D. in psychology. Social psychologists conduct experiments, surveys, and observational studies to understand how social factors influence behaviors such as conformity, aggression, persuasion, and group dynamics.

64. **Clinical Psychologist** (*Pursuing a Career in Clinical or Counseling Psychology*, n.d.). Clinical psychologists assess, diagnose, and treat individuals with mental health issues, emotional disorders, and psychological distress. They use therapeutic methods to help people manage mental health conditions such as depression, anxiety, PTSD, and substance abuse. Clinical psychologists typically hold a Ph.D. or Psy.D. in clinical psychology and must become licensed to practice therapy. Clinical psychologists conduct research and provide therapy. Clinical psychologists do not prescribe medication but sometimes collaborate with psychiatrists or primary care providers who manage medication.

65. **Psychiatrist** (*Psychiatry.org - Choosing a Career in Psychiatry*, n.d.). Psychiatrists are medical doctors who specialize in the diagnosis, treatment, and prevention of mental health disorders. Psychiatrists complete medical school and hold an M.D, followed by a residency in psychiatry. Psychiatrists are licensed to prescribe medications, such as antidepressants, antipsychotics, and mood stabilizers, to treat mental health conditions. In addition

to treating patients, psychiatrists may conduct research on medical and pharmacological treatments as well as interventions for mental health conditions. They work in hospitals, clinics, and private practice, often collaborating with psychologists and other mental health professionals.

C. 4.2. Developmental cognitive neuroscience

66. Development cognitive neuroscience is an interdisciplinary field that combines the strengths and methodological approaches of cognitive neuroscience and developmental psychology. Developmental cognitive neuroscientists may hold a Ph.D. in psychology or neuroscience or hold an MD with a specialty in psychiatry. Developmental cognitive neuroscientists conduct research examining how the developing brain impacts cognition, behavior, and well-being, and how the social environment shapes the developing brain. Developmental cognitive neuroscientists provide key insights into how early experiences (e.g., trauma, education, parenting, social media exposure) affect long-term mental health and well-being via changes in the developing brain.

V. Brain Research Background

67. In this section, I explain how the field of cognitive neuroscience emerged as a multidisciplinary field, blending elements of psychology, neuroscience, cognitive science, and computer science to understand the neural mechanisms underlying human cognition. The evolution of cognitive neuroscience can be traced through several key historical milestones and technological advances. Developmental cognitive neuroscience, which uses the same methods but studies the brain in youth, emerged years later.

A. The first tool to measure blood flow in the brain (1882).

68. Mosso's human circulation balance (1882) was one of the earliest tools used to noninvasively study brain activity in relation to blood flow. (Sandrone et al., 2014). It was

developed by Angelo Mosso, an Italian physiologist, and it represented a pioneering attempt to understand the physiological changes in the brain during emotional and intellectual activity. The human circulation balance was essentially a large balance scale on which a person could lie down. The apparatus was designed to detect small shifts in weight between the head and the feet. The idea was that when the person engaged in mental tasks, there would be increased blood flow to the brain, causing a shift in weight toward the head.

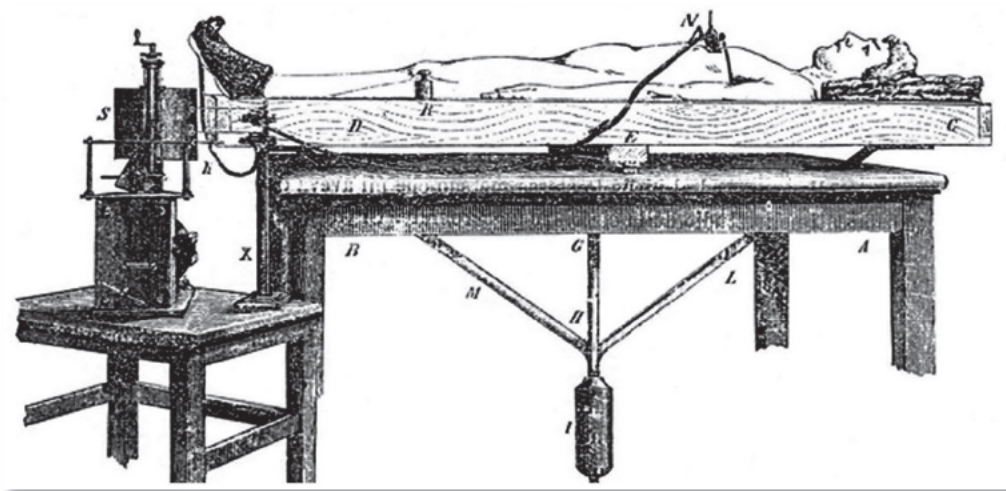


Figure Note. Mosso's human circulation balance (Sandrone et al., 2014).

69. Mosso's balance showed that mental activity was accompanied by a redistribution of blood flow to the brain, a crucial observation that supported the idea that blood flow correlates with brain function. Although crude by today's standards, Mosso's work was one of the first demonstrations that physiological changes in the brain could be measured indirectly by observing the body's circulatory responses. His experiments were some of the first to suggest that mental processes have a measurable physical correlate—a finding that paved the way for modern brain imaging techniques like fMRI (functional magnetic resonance imaging), which also measures blood flow.

B. First Use of “Cognitive Neuroscience” (1976).

70. The term *cognitive neuroscience* was coined by Michael Gazzaniga and George Miller in the early 1980s to describe a field dedicated to understanding how brain function supports cognitive processes (Posner & Rao, 2009). The field sought to bridge the gap between traditional cognitive psychology, which examined mental processes, and neuroscience, which studied the brain’s physical structure and function.

C. Advanced Brain Imaging Methods Developed (1990s).

71. The development of neuroimaging techniques transformed cognitive neuroscience by enabling non-invasive study of brain activity in humans. Most relevant for this report is functional Magnetic Resonance Imaging (fMRI), developed in the early 1990s, which became a pivotal tool by tracking changes in blood flow (and, indirectly, neural activity) during mental tasks, allowing for more precise mapping of cognitive functions to specific brain regions.

72. The first MRI machine was created in the 1970s by Dr Raymond Damadian (Macchia et al., 2007).



Figure Note. Dr. Raymond Damadian’s ‘Indomitable’ – the first full-body MRI scanner (Macchia et al., 2007)

73. It wasn't until the discovery of BOLD (Blood Oxygen Level Dependent) imaging in the 1990s that researchers could noninvasively study brain function. BOLD contrast was first used to map brain activity during simple tasks in humans in 1991 (Kwong, 2012).



Figure Note. Modern fMRI scanner (Passingham, 2016)

74. fMRI has fundamentally changed our understanding of the human brain. From mapping cognitive functions to advancing treatments for mental health and neurological disorders, it has revolutionized both scientific research and clinical practice. Modern fMRI machines can now take high resolution images of the deepest tissue of the brain.

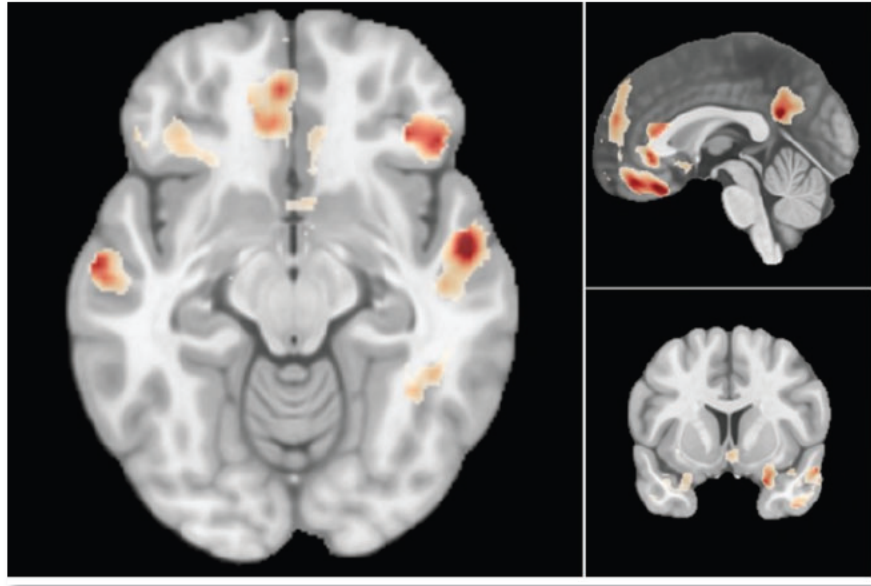


Figure Note. Image of brain activation showing neural activation at high resolution across regions deep into the brain. Regions activated are those that show links with problematic social media use in youth (Flannery, 2023).

75. One significant and well-known example of the impact of fMRI on our understanding of the brain is in the study of memory and the hippocampus. Before the advent of neuroimaging, much of our understanding of memory and the brain came from lesion studies (i.e., observing the effects of brain damage on cognitive functions). One of the most famous cases was that of H.M. (Henry Molaison), a patient who, after undergoing surgery to remove parts of his hippocampus, experienced severe memory deficits (Dossani et al., 2015). This suggested that the hippocampus was important for memory, but it was unclear how or why.

76. With the development of MRI, researchers could create highly detailed images of brain anatomy, allowing them to study the hippocampus in healthy individuals and patients with memory impairments. MRI scans showed that patients with damage to the hippocampus had smaller hippocampal volumes, which correlated with their degree of memory impairment (den Heijer et al., 2012). This provided strong evidence that the hippocampus played a central role in memory formation, particularly in consolidating new long-term memories. MRI also revealed

differences in hippocampal structure related to aging, early signs of Alzheimer's disease, and conditions like post-traumatic stress disorder (PTSD), deepening our understanding of how memory and emotion interact and affect hippocampal structure (de Flores et al., 2015; Frisoni et al., 2010; Smith, 2005).

77. fMRI revolutionized the study of the hippocampus by allowing researchers to observe how it functions in real time while people perform memory tasks. Studies using fMRI showed that the hippocampus becomes highly active during memory encoding (the process of forming new memories) and retrieval (recalling previously stored information) (Frisoni et al., 2010). This confirmed that the hippocampus is crucial not just for storing memories but also for accessing them.

78. MRI and fMRI have transformed our understanding of the brain by providing non-invasive ways to study both its structure and function. MRI has allowed us to visualize structural changes in the brain, leading to a clearer understanding of how diseases like Alzheimer's and PTSD affect memory systems. fMRI provided real-time insights into brain activity, confirming that the hippocampus is essential for both memory formation and retrieval. This combination of structural and functional imaging has revolutionized our understanding of how memory works in the brain.

D. Neuroplasticity and Developmental Cognitive Neuroscience (2000s).

79. Advances in neurobiology led to the discovery of key processes like synaptic pruning and myelination (see sections later in report, which detail these neurobiological changes), which highlighted how the brain changes across development, and continues to grow and change during adolescence.

80. Prior to the first MRI scans of children in the 1990s, many thought the brain was done developing in childhood. Thanks to the advent of magnetic resonance imaging, we now know that the brain continues to undergo significant development well into the 20s and beyond (Johnson et al., 2009). In fact, adolescence is marked by dramatic changes in brain development, second only to infancy (Fuhrmann et al., 2015).

81. Research has increasingly focused on how the brain changes over time through neural plasticity—the brain’s ability to reorganize in response to experience (Posner & DiGirolamo, 2000). Heightened periods of neural plasticity tend to be present in early- (i.e., infancy) and mid-ontogeny (i.e., adolescence; see Figure below illustrating same) (Spear, 2013). Indeed, adolescence is recognized as one of the most sensitive periods of neural plasticity, second only to early postnatal development. During adolescence, the environment and social context have undue influence on the developing brain. This heightened plasticity allows adolescents to learn and adapt to their world, but it also makes them more vulnerable to negative environmental factors such as stress or social media exposure. The plasticity of the adolescent brain underscores the importance of supportive environments to foster healthy cognitive, emotional, and social development. Importantly, once the brain reaches full maturity, its ability to undergo significant neural changes is greatly reduced, helping to preserve the stability of existing neural circuits (Spear, 2013). However, this also means that experiences in adolescence can have long-term effects on the brain that cannot be reversed later in adulthood. Heightened plasticity during adolescence underscores the profound influence of social environments on adolescent development, shaping neural pathways that can have long-term implications for behavior and mental health into adulthood, neural pathways that cannot be undone once the brain reaches maturity.

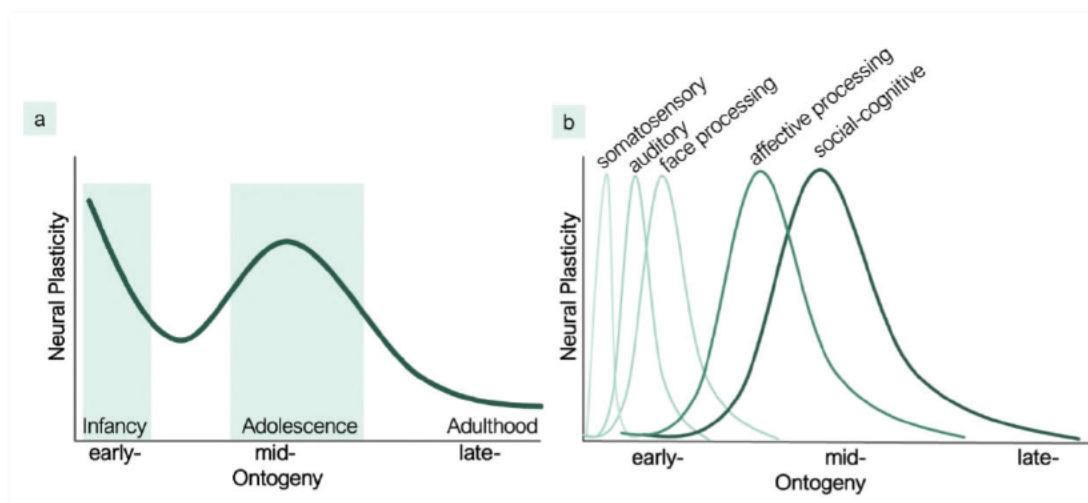


Figure Note. Neuroscience research has identified sensitive periods of neural plasticity during which social contexts have an undue influence on development. (a) The figure demonstrates peaks in neural plasticity during two periods of development. Early-ontogeny (i.e., infancy) represents the first period of heightened neural plasticity, during which early rearing environments can shape brain development. Mid-ontogeny (i.e., adolescence) represents a second period of heightened neural plasticity during which time social experiences, such as social media, can shape brain development. (b) Brain systems undergo developmental change at different rates and have unique sensitive periods. Since the neural circuits responsible for simple processes, like vision, serve as the foundation for more complex functions, such as face recognition, the timing and order of sensitive periods for each system follow a cascading order. During adolescence, brain regions particularly involved in social sensitivity are highly plastic. This makes social experiences like peer relationships or social media have strong impacts on the developing brain. Figure created by Eva Telzer published in invited review paper in *Annual Review of Developmental Psychology* adapted from (Herzberg et al., 2024).

82. **Developmental cognitive neuroscience** emerged as a distinct field in the early 2000s, integrating insights from cognitive neuroscience, developmental psychology, and neurobiology to study how brain development underlies cognitive processes from infancy through adulthood. This field focuses on understanding how neural changes throughout development influence cognition, behavior, and wellbeing, and how the social environment shapes the developing brain.

83. The 1990s witnessed progress in brain imaging technologies, including functional magnetic resonance imaging (fMRI), which allowed researchers to observe real-time brain activity

in children in noninvasive ways, making it a safe tool for imaging the developing brain *in vivo*. *Developmental cognitive neuroscience* was coined as a field that specifically links brain development with cognitive and behavioral changes, most notably by Mark Johnson and Michelle de Haan in their first edition handbook (2002) “The Cognitive Neuroscience of Development”, which is now in its 5th edition (2023) (Nelson et al., 2015).

84. With advances in neuroimaging, researchers began conducting longitudinal studies, tracking the same children over time to map the progression of brain development. These studies have helped to uncover critical insights about the timing of brain maturation (e.g., the prefrontal cortex, responsible for executive functions, continues to develop into the mid-20s) (Johnson et al., 2009).

85. In summary, the field of developmental cognitive neuroscience arose from the integration of developmental psychology, cognitive neuroscience, and advances in neuroimaging techniques. It provides a rich framework for understanding how brain development drives cognitive and behavioral changes across childhood and adolescence.

VI. Brain Research State of the Art

86. What has science revealed about brain function and development and what technologies and methods are used to measure and analyze brain function?

A. 6.1. Measurement Techniques to study brain development

87. As discussed above, technological advancements over the past two decades have allowed us to understand how the brain changes across childhood, adolescence, and into adulthood. The most common neuroimaging methods to study the developing brain in the context of social media include structural MRI (sMRI), which measures the anatomy of the brain, as well as task-

based and resting-state functional MRI (fMRI), which measure the function of the brain. See Table 1 for a description of these modalities.

Modality	Activity Measured/Description	Advantages (+)/ Disadvantages (-)
Structural magnetic resonance imaging (sMRI)	Anatomical volume and cortical thickness of soft tissue: grey and white matter	<ul style="list-style-type: none"> • High spatial resolution (+) • No temporal information regarding cognitive processes (-) • Nonportable (-)
Task-based functional magnetic resonance imaging (fMRI)	Metabolic activity (blood oxygen level dependent [BOLD] signal) during task engagement to assess specific cognitive processes	<ul style="list-style-type: none"> • High spatial resolution (+) • Low temporal resolution (-) • Nonportable (-)
Resting state functional magnetic resonance imaging (rsfMRI)	Metabolic activity (BOLD signal) during rest to identify intrinsic networks	<ul style="list-style-type: none"> • High spatial resolution (+) • Low temporal resolution (-) • Nonportable (-)
Electroencephalogram (EEG)	Electric potentials from neuronal activity during tasks or rest	<ul style="list-style-type: none"> • High temporal resolution (+) • Low spatial resolution (-) • Less susceptible to movement, thus used with younger samples (e.g., infants) (+)
Functional near-infrared spectroscopy (fNIRS)	Metabolic changes in hemoglobin concentrations	<ul style="list-style-type: none"> • High temporal resolution (+) • Low spatial resolution (-) • Portable, thus often used in parent-child shared task activity (i.e., studies of neural synchrony) (+)

Table Note. *Neuroimaging modalities commonly used in the study of brain development* (Morris & Mendez Smith, 2022; Turpyn & Telzer, 2022)

B. Structural MRI (sMRI).

88. sMRI seeks to measure changes in the anatomy of the brain in both grey and white matter. Grey matter consists mainly of neurons, and white matter is made up mostly of myelinated axons. White matter connects different areas of grey matter and facilitates the transfer of information across the brain. The most common measure used in structural MRI is cortical volume, which is measured in terms of thickness (i.e., the distance between the white matter/grey matter cortical boundary and the grey matter/CSF cortical boundary) and surface area (i.e., the area of the white matter/grey matter cortical boundary and the grey matter/CSF cortical boundary) (Vijayakumar et al., 2018).

89. One of the most consistent findings from longitudinal sMRI research is that grey matter volume in the frontal and parietal lobes increases during childhood followed by a decline (i.e., thinning) in adolescence, before stabilizing in young adulthood (Mills et al., 2014). In contrast to cortical grey matter volume, cerebral white matter volume increases from birth and across the second decade of life before stabilizing in young adulthood (Mills et al., 2016). The regions exhibiting the most robust decreases in grey matter volume during adolescence are in regions implicated in higher-order cognition (e.g., the dorsal prefrontal cortex), and are the same regions showing the most robust increases in white matter volume (Mills et al., 2014). Grey matter changes are thought to reflect synaptic reorganization, including synaptic proliferation followed by synaptic pruning, whereas increases in white matter is thought to reflect continued axonal myelination that promotes efficient information flow in the brain (Blakemore, 2012).

C. Task-Based functional MRI (fMRI).

90. fMRI seeks to understand how the brain functions during different psychological processes. fMRI measures the blood oxygenation level dependent (or BOLD) signal, which is an

indirect measure of neural activity. When neural activity increases, there is an increase in blood oxygenation associated with blood flow to different regions of the brain. Because blood oxygenation varies according to the level of neural activity, these differences can be used to detect brain activity.

91. While most research to date has focused on functional brain activation in isolated brain regions, there has been a growing emphasis on understanding functional connectivity, or how neural regions are co-activated. A hierarchical cascade of changes in functional connectivity patterns is proposed to occur, whereby development of subcortico-subcortical connectivity (e.g., amygdala-ventral striatum connectivity) occurs before that of cortico-subcortical connectivity (e.g., amygdala-prefrontal cortex), which serves as a necessary precursor to more complex neural interactions (Casey et al., 2019). This shift in connectivity patterns is thought to underlie emotional development across adolescence. Other methods include event-related potentials (ERP), which measures the timing of electrical activity in the brain in response to discrete events and functional near-infrared spectroscopy (fNIRS), which is an optical imaging technique that measures changes in hemoglobin concentrations within the brain (Burani et al., 2021; Cai et al., 2018). These methods have less commonly been used in the study of social media and brain development.

D. Resting State MRI.

92. Other research has employed resting state fMRI to examine organization within and between functional networks during task-independent activity or at rest. A consistent finding emerging across this research is enhanced connectivity *within* large-scale functional brain networks, such as the executive control network, coupled with reduced connectivity *between* networks during the adolescence period (Dosenbach et al., 2010). This shift

to greater within-network connectivity is thought to reflect better specialization and increasing efficiency in neural processing (Blakemore, 2012).

E. 6.2 Current Status of Brain Research.

93. Functional and structural magnetic resonance imaging research in developmental populations has spiked in the past 20 years, with the majority of published work coming out in the past 10 years. This research has significantly advanced our understanding of the neural processes that support social, cognitive, and affective changes from childhood to adulthood (Crone & Elzinga, 2015).

94. Most developmental fMRI research to date has utilized cross-sectional samples, which examines differences and similarities in neural activation between children, adolescents, and adults. However, cross-sectional studies are limited in their ability to examine how maturation of brain function develops *within* individuals. More recently, developmental cognitive neuroscientists have moved towards implementing various longitudinal designs, which truly unpack developmental processes. Longitudinal fMRI offers the advantage of removing between-subject variability, instead using the individual as their own control, which increases our ability to separate developmental effects from cohort effects and reduces sampling biases (Crone & Elzinga, 2015). Additionally, longitudinal fMRI does not make assumptions about the stability of brain-behavior relationships and is particularly well suited to detect developmental transitions (McCormick et al., 2017). Thus, longitudinal studies are an ideal way to test causal pathways and identify neural mechanisms. (Crone & Elzinga, 2015).

VII. The Adolescent Brain

95. What neurobiological changes take place during adolescence, what is their evolutionary genesis and how do they affect adolescents' emotional and behavioral vulnerability?

A. 7.1. Structural changes in brain development

96. The adolescent brain undergoes significant reorganization and development, second only to infancy, with profound changes in both neural structure and function (National Academies of Sciences, Engineering, and Medicine, 2019). The adolescent brain's restructuring of its neural architecture is particularly significant in regions related to reward processing, social cognition, and executive function (Blakemore & Mills, 2014; Crone & Dahl, 2012; Nelson et al., 2016). These important structural changes are detailed below (Steinberg, 2009).

1. 7.1.1. Synaptogenesis.

97. Synaptogenesis is the formation of synapses between neurons in the brain. In infancy, the brain produces many more connections among neurons than it will use. There is an overproduction of synapses. In fact, synaptic density (the number of synapses per unit volume of brain tissue) in young animals greatly exceeds adult levels (Huttenlocher, 1979). The second wave of synapse formation shows a spurt just before the onset of puberty (ages 8-13 years in girls, and ages 9-14 years in boys) (*Puberty and Precocious Puberty*, n.d.). Unlike common assumptions that the brain does not produce new synapses after infancy, there is a second wave of synaptogenesis or overproduction right before puberty.

98. The timing of synaptogenesis peaks at different ages for different regions of the brain. Brain areas associated with more basic motor and sensory functions mature first, followed by brain regions related the coordination of sensory functions, and finally, brain regions involved in higher cognitive function, like the prefrontal cortex (PFC).

2. 7.1.2. Synaptic pruning.

99. The development of synapses characterized by a period of growth (synaptogenesis) is followed by a period of decline in which unnecessary connections are eliminated (synaptic pruning). This is demonstrated by an inverted U shaped curve shown in the Figure below.

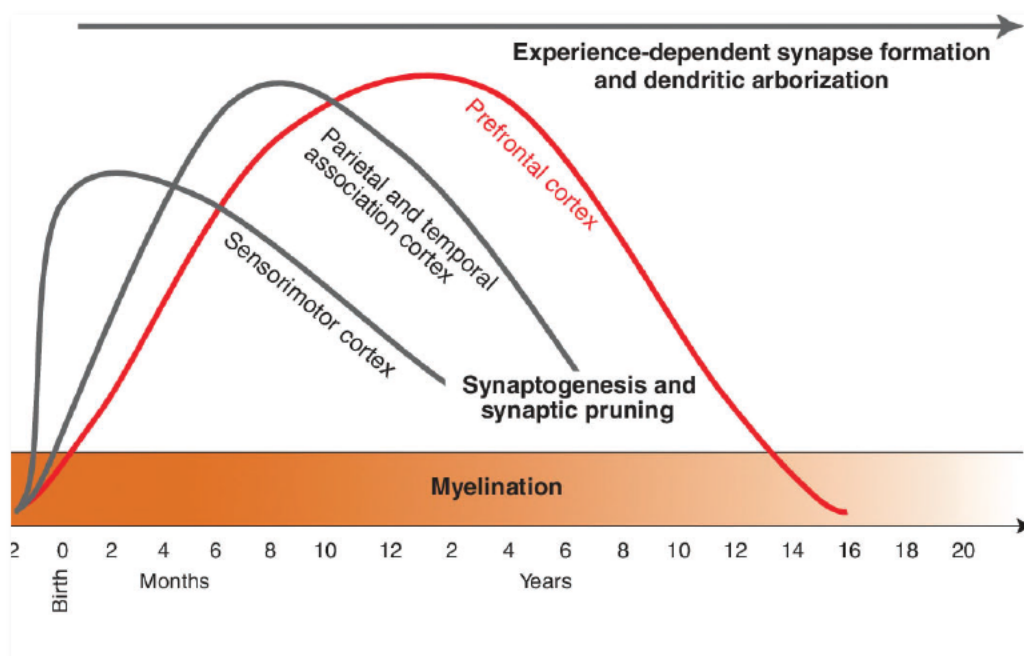


Figure note. Time course of human brain development in prefrontal cortex, sensorimotor cortex, and parietal and temporal association cortex. Much of the PFC, matures late relative to the remainder of the cortex, as shown by later synaptogenesis and synaptic pruning. Regions of the temporal cortex, which integrate diverse inputs from sensorimotor and other lower-order regions and develop earlier than the PFC but later in childhood relative to the sensorimotor cortex (Thompson & Nelson, 2001).

100. Even though it may seem that having a lot of synapses is a particularly good thing, the brain actually consolidates learning by pruning away synapses. The period of pruning is as important for brain development as is the period of growth. Over time, the neural connections that are frequently used are strengthened and survive. However, the ones that are unused are replaced or disappear altogether. Sometimes the phrase “use it or lose it” is used to describe the process of synaptic pruning. Our experiences stimulate and strengthen groups of synapses. Those that do not

get enough stimulation are less likely to survive. Adolescence is characterized by synaptic pruning (Spear, 2013). Even though the brain of an adolescent is maturing, they are losing 1 percent of their gray matter every year (Narvacan et al., 2017).

101. In the first study to examine changes of grey-matter maturation over the cortical surface between 4 and 21 years using a longitudinal MRI study, 13 children were scanned every 2 years across 10 years (Gogtay et al., 2004). The researchers found that grey-matter loss (i.e., pruning) occurs initially in the primary sensorimotor areas in the back of the brain. Among the last regions to mature is the prefrontal cortex, the home of “executive functions” which is responsible for planning, suppressing impulses, setting priorities, and other higher-order cognitive functions such as decision-making. As shown in the Figure below, the PFC is not yet fully mature even by age 18, the legal age of adult status in the US. For a visual representation of this developmental trajectory, time-lapse maps are available at https://archive.nytimes.com/www.nytimes.com/interactive/2008/09/15/health/20080915-brain-development.html?_r=1 (*The Child's Developing Brain - Interactive*, 2008).

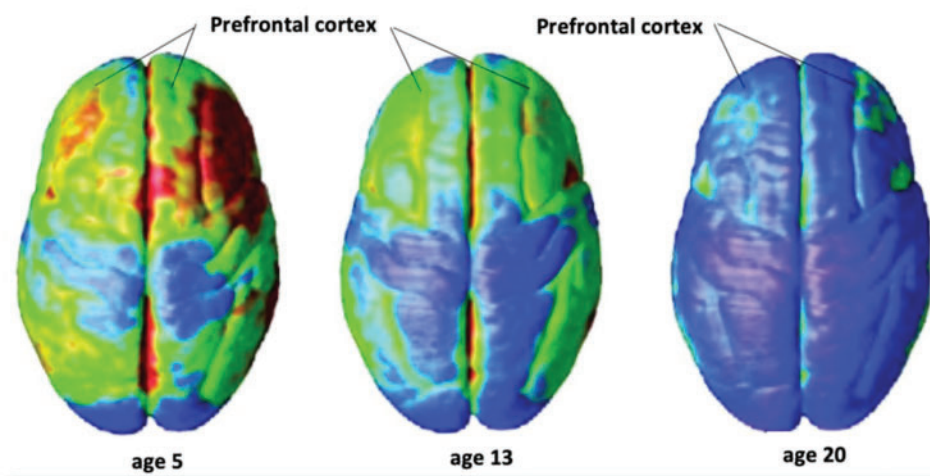


Figure Note. The figure shows changes in the maturity of the brain from age 5 (left image) to age 20 (right image). Areas of the brain that are more mature are shown by darker blue/purple, whereas areas of the brain that are less mature are shown by red and

green. Even by the age of 20, the prefrontal cortex has not yet reached full maturity which has implications for the development of judgment, logic, and executive functions. Image from (Gogtay et al., 2004).

102. The more protracted development of the prefrontal cortex has implications for adolescents' ability to engage in effective cognitive control and emotion regulation, discussed further below.

3. 7.1.3. Myelination.

103. Not only does the number of connections change during synaptic pruning, but the connections themselves become faster, and this happens through myelination. Myelination is an increase in the fatty myelin sheath that protects and facilitates impulse transmission down the cell (neuron) body. Myelin acts like insulation around the axon and increases the strength and speed of neuronal impulses and improves information transmission. These connections permit different brain systems to communicate with each other more effectively. The term *white matter* is often used to describe the whitish color of the myelinated axons. Myelination increases the strength of connectivity across the brain, especially longer-range connections between the prefrontal cortex and the limbic system. This is especially important for emotion regulation, which is facilitated by increased connectivity between regions important in the processing of emotional information (limbic system) and those important in self-control (PFC) (Salzman & Fusi, 2010).

B. 7.2. When does the adolescent brain become an adult brain?

104. There is no simple answer for when the adolescent brain becomes an adult brain. Structural changes do not all take place along one uniform timetable. Neuroscience research uses longitudinal data to model brain development across large developmental periods. Researchers have modeled a “growth curve” of brain development from childhood through adulthood, allowing us to see the age at which the changes of different brain systems level off (i.e., asymptote) or reach

their peak maturity. Importantly, different systems develop at different rates, and changes in brain development continue well beyond the age of 18, showing an extended window of brain development across adolescence and into early adulthood (see Figure). This protracted period of brain development is paralleled by prolonged development of social and emotional development.

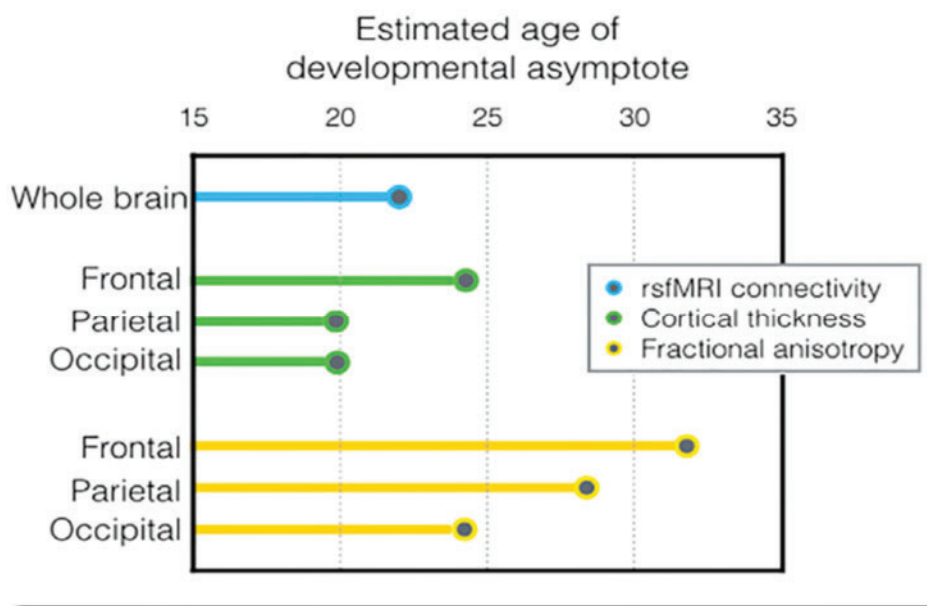


Figure Note. Estimated ages of developmental asymptote for functional connectivity (blue), structural brain development (green), and structural connectivity (yellow). Lines represent increasing development, and circle represents age of asymptote when development peaks (Somerville, 2016).

C. 7.3. The importance of timing in adolescent brain development

105. Adolescence is described as a time when the brain undergoes a social reorientation, during which time the adolescent brain is highly responsive to environmental inputs, including social interactions and experiences (Blakemore & Mills, 2014; Crone & Dahl, 2012; Nelson et al., 2016).

106. During this time, the limbic system, associated with reward processing, undergoes rapid development, contributing to heightened sensitivity to rewards and social feedback (Steinberg, 2008). The limbic system, which is involved in emotion and reward processing,

becomes more reactive and sensitive to potential rewards during adolescence (Galván, 2021). Meanwhile, as illustrated above, the PFC, which supports decision-making, cognitive control, impulse control, and emotion regulation, continues to mature well into the twenties (Gogtay et al., 2004). It does not show mature top-down regulation of the limbic system until early adulthood (Casey et al., 2022).

107. Heightened reward system activation, coupled with more gradual and later development of the brain's cognitive control system, is particularly important for understanding the development of emotion regulation and the ability to use the brain's "brake system" to inhibit impulsive behavior. Prominent neurobiological theories of adolescence suggest that asymmetric trajectories in structural and functional development of reward-related regions and prefrontal circuitry are implicated in the rise in risk taking, the seeking out of novelty, exploration beyond familiar surroundings, emotional arousal, and other sensation-seeking behaviors observed in adolescence (Johnson et al., 2009; Casey, 2015). The temporal gap between these systems is thought to create a developmental window of vulnerability in adolescence during which youth are highly sensitive to rewarding and thrilling experiences at a developmental period when their PFC is not yet able to effectively engage in cognitive control.

108. From an evolutionary standpoint, the risk-oriented tendencies of the adolescent brain serve crucial functions (Spear, 2000). Risk taking and exploration allow adolescents to push beyond family boundaries and cultivate independence, laying the foundation for individuation. This drive also supports learning and adaptive behavior by exposing adolescents to novel environments, social opportunities, and resource-rich settings that enhance survival and reproductive success. These behaviors were highly adaptive in ancestral environments where the stakes of risk-taking were lower.

109. While adolescent brain development has evolved to foster exploration, novelty-seeking, and individuation for species adaptation, modern environments can amplify these inclinations in ways that may not be beneficial (Spear, 2000). Today's adolescents have unprecedented access to environments that offer more extreme risks than to which adolescents were historically exposed, including those online. In digital landscapes, risky behaviors may involve high-stakes challenges, exposure to substance use, or engagement in hazardous online interactions. The nature and scale of these risks far exceed those encountered in ancestral times, where exploration might have entailed navigating physical surroundings or social hierarchies rather than confronting influences that exploit the brain's reward pathways (such as social media's feedback loops) (Flannery et al., 2022). The adolescent brain, attuned to respond intensely to rewarding stimuli, can struggle with self-regulation in settings filled with extreme and artificial sources of reward.

110. This mismatch between evolved predispositions and modern environmental risks underscores the need for supportive structures that channel adolescent drives in healthy directions, balancing natural inclinations with an environment that prioritizes long-term well-being (Li et al., 2018).

D. 7.4. Functional changes in brain development.

111. Adolescence is not only a time of tremendous change in the brain's structure, but also a time of important changes in how the brain works, as revealed in studies using functional magnetic resonance imaging, or fMRI. Whereas MRI methods allow us to measure the size of the brain, fMRI is a tool that allows us to measure how the brain functions – we can measure which regions or networks of regions are involved or activated during different psychological states – for instance, when adolescents receive likes on social media, which regions of the brain are activated?

fMRI methods have revealed that the adolescent brain does more than just change in size, it increases in complexity, too. Functional changes in the brain promote the ability to plan, adapt to their social environment, and imagine possible future consequences of their actions.

112. Research using fMRI to examine functional changes in the brain show that adolescence is a unique and sensitive period that is distinct from childhood and adulthood. Several important functional changes in the developing brain occur during adolescence. This includes functional changes in the (a) affective salience network, which supports adolescents' tendency to find social contexts affectively salient (i.e., more pleasurable/aversive), (b) motivational relevance network, which supports adolescents' motivation to achieve rewards or avoid punishments, (c) the social cognition (or mentalizing) network, which supports adolescents' ability to consider and weigh the feelings, motivations, and intentions of others, and (d) the executive control network, which supports executive control processes that help adolescents regulate and control their behaviors (Blakemore, 2012; Dosenbach et al., 2007; Frith & Frith, 2006; Harding et al., 2015; Kim et al., 2006; Knutson et al., 2001; Silverman et al., 2015; Smith et al., 2015; Spreng et al., 2010; Thomason et al., 2011; Vincent et al., 2008). See figure below for a visual of these networks.

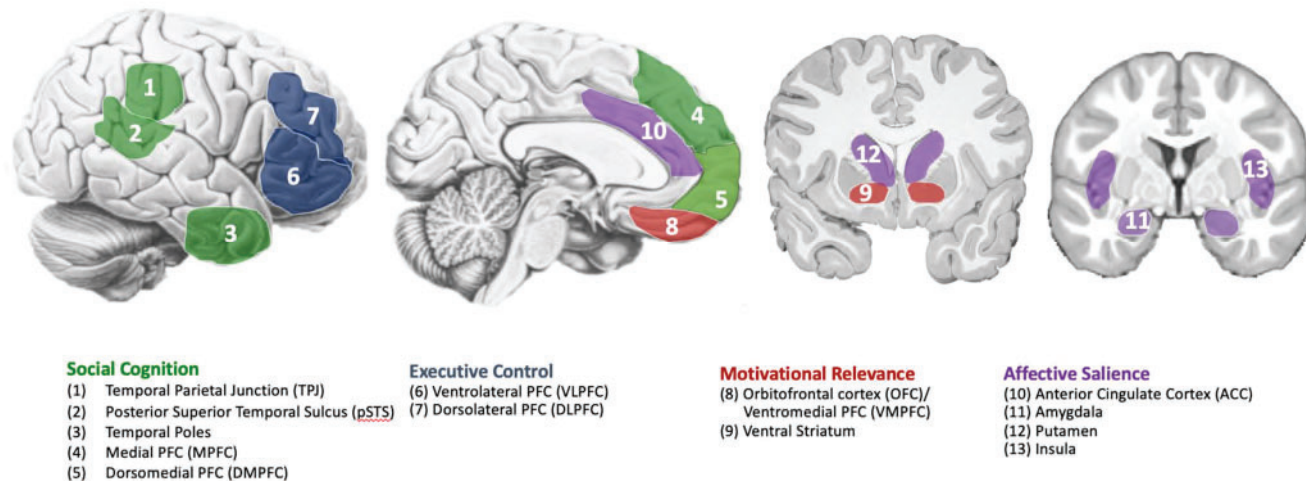


Figure Note. Brain slices showing networks of the brain involved in social cognition (green), executive control (blue), motivational relevance (red), and affective salience. Figure created by Eva Telzer.

113. The functional changes in each of these developing brain networks are detailed below.

1. 7.4.1. Affective Salience.

114. While the need to belong is extremely important throughout the lifespan, it is particularly salient during adolescence, a developmental period marked by a strong need to affiliate with peers. The affective salience network is closely tied to how individuals experience positive and negative feelings, social rejection or acceptance, and the emotional significance of experiences (Lindquist et al., 2016). Regions of the affective salience network include the amygdala, insula, and dorsal anterior cingulate cortex (dACC). Areas of the affective salience network tend to peak in sensitivity during adolescence when processing emotionally salient cues (Hare et al., 2008).

2. 7.4.2. Motivational Relevance (i.e., Reward Sensitivity).

115. Adolescence is a period marked by an orientation to seek out and receive rewards and avoid punishments. During adolescence, there is significant reorganization in the structure and

function of brain regions that subserve valuation of and motivation to seek rewards, including the ventral striatum, ventromedial prefrontal cortex, ventral tegmental area, and caudate. Developmentally, adolescents show a peak in activation in regions of the motivational relevance network during reward processing, particularly in social contexts, which then declines into adulthood (Braams et al., 2015; Chein et al., 2011; Galvan et al., 2006).

116. A seminal study by (Galvan et al., 2006) provided groundbreaking insights into the heightened reward sensitivity of adolescents compared to both children and adults. Using functional magnetic resonance imaging (fMRI), the researchers examined brain activity in response to monetary rewards across different age groups. The study revealed that adolescents exhibit heightened activation in the nucleus accumbens (NAcc), a key region of the brain's reward circuitry, when receiving monetary rewards. This heightened response was significantly greater than that observed in both children and adults, suggesting that the adolescent brain is uniquely tuned to respond more intensely to rewarding stimuli. The heightened reactivity observed in adolescents suggests that they may be more sensitive to rewards than adults, making them more likely to seek out and repeat behaviors that provide immediate gratification. This seminal study fundamentally shifted our understanding of why adolescents are more likely to engage in impulsive, reward-driven behaviors. It provided empirical evidence that adolescents have unique neurobiological vulnerabilities that influence their behavior.

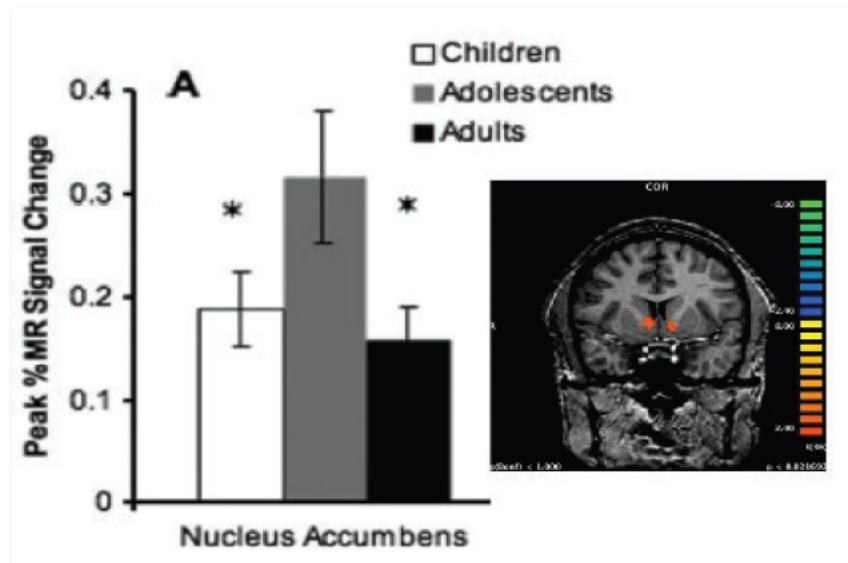


Figure Note. Bars show the level of nucleus accumbens activation when children (white bar), adolescents (grey bar), and adults (black bar) received rewards. Adolescents showed the highest level of activation in the nucleus accumbens, providing the first evidence that adolescents are hypersensitive to rewards. Figure from (Galvan et al., 2006).

117. In a more recent study using a longitudinal method, in which researchers scanned the same youth across time, each participant was scanned 3 times across 5 years. Participants played a game where they could win or lose money. The researchers found a curvilinear age pattern, where adolescents showed the highest sensitivity to winning money in the nucleus accumbens relative to children and adults (Schreuders et al., 2018). Again, this shows that adolescents are hypersensitive to rewards.

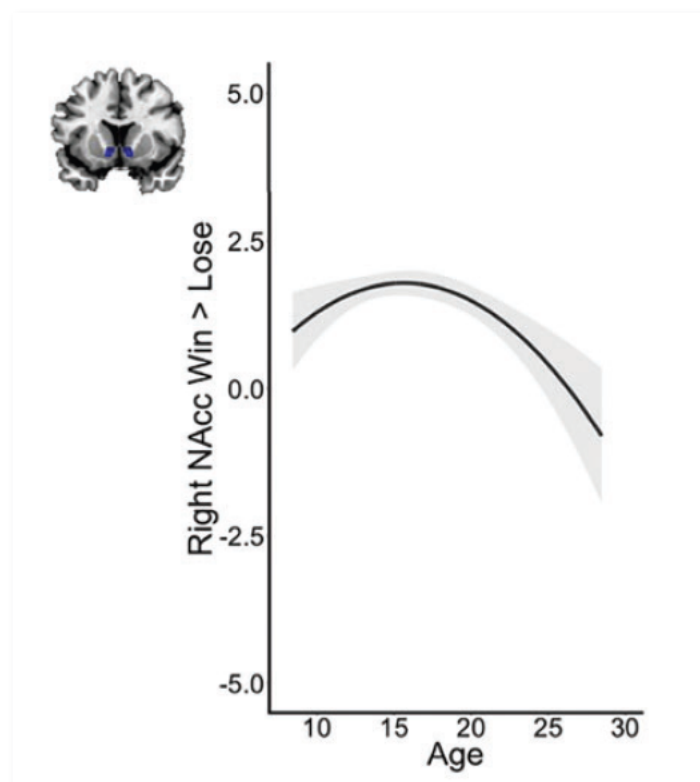


Figure note. The figure shows the amount of nucleus accumbens activation participants showed across age from 10 to 30 years when winning money. Adolescents demonstrated the highest level of nucleus accumbens activation. (Schreuders et al., 2018).

3. 7.4.3. Social Cognition.

118. Adolescence is a period of development in which social relationships become increasingly important and complex, relying more on advanced social cognitive skills, including mentalizing and perspective-taking (Blakemore, 2008). It has been proposed that social cognition is so essential to the survival and reproductive fitness of humans that our brains include regions specialized for social cognitive processes, putatively referred to as the Social Brain Network (Blakemore, 2008). Regions of the social brain include the medial prefrontal cortex (mPFC), the temporoparietal junction (TPJ), the posterior superior temporal sulcus (pSTS), the precuneus, and the temporal poles. Areas within the social brain network continue to develop structurally across adolescence before relatively stabilizing in the early twenties (Mills et al., 2014). The maturation

of social cognitive brain regions is thought to facilitate empathy, social perspective-taking, mentalizing, and processing of social feedback thereby enabling adolescents to form complex relationships (Blakemore & Mills, 2014).

119. While social cognition can promote positive aspects of social relationships, such as empathy and prosocial behaviors, heightened social cognition also enhances adolescents' concerns about what others are thinking. As soon as adolescents are able to understand that other people have distinct thoughts and perspectives, they become preoccupied with the notion that other people's thoughts are focused on their own behavior or appearance. This causes heightened self-consciousness and greater attunement to and concern over peer evaluation, being accepted by peers, and engagement in greater social comparisons (Crone & Konijn, 2018). Adolescents more frequently interpret themselves as being the target of social evaluation leading to such phenomena as the *imaginary audience*, whereby they imagine that their behavior (or social media posts) are the focus of everyone else's concern.

4. 7.4.4. Executive Control.

120. Teens often face unpredictable, complex, and rapidly changing social challenges that require them to engage in effective executive control to meet their goals. Executive control functions typically refer to a series of top-down psychological processes which include inhibitory control, working memory, and cognitive flexibility. Adolescence is a developmental period during which executive control is still developing (Crone & Dahl, 2012). The executive control network includes the dorsolateral and ventrolateral prefrontal cortex and the inferior parietal cortex. While children rely on parietal brain regions to complete executive control tasks, by adolescence, prefrontal connections become predominant and continue strengthening and maturing into adulthood (Luna et al., 2013). Maturation of the prefrontal cortex (PFC) and its connectivity with

networks involved in social cognition, affective salience, and motivational relevance continues throughout adolescence and provides individuals with the skills to flexibly regulate their emotions and behaviors within their social environments.

5. 7.4.5. Social Media Use by Adolescents

121. Social media has dramatically changed the landscape of adolescent development, providing unprecedented opportunities for social interactions around the clock. Social media allow immediate access to social information at any time it is desired and is designed to hold users' engagement by maximizing social rewards. Indeed, nearly all adolescents in the United States are on social media, with 67% using it every day (Rideout et al., 2022). Given adolescents' motivation to build social connections with peers, coupled with social media's unprecedented accessibility to peers, social media also provides adolescents with near-constant opportunities for social acceptance and rejection.

122. While social media has profound and significant influences on society as a whole, adolescents may be uniquely impacted by it. As discussed in the preceding sections, adolescence is a critical developmental period characterized by a heightened neurobiological and behavioral sensitivity to peer influence and social feedback, as well as a prioritization of social connection and peer acceptance (Somerville, 2013). Additionally, adolescence is characterized by a peak in sensation, novelty, and reward seeking behaviors that are thought to support exploration and learning during this developmental period and stem from normative changes in brain structure and function, beginning around the onset of puberty (Padmanabhan et al., 2011). Concurrently, adolescence is also a period during which many mental health disorders, including depression, anxiety, eating disorders, substance abuse, sleep problems, and psychosis, often first arise (Blakemore, 2019). As such, social media can have self-enforcing, cascading effects on

psychosocial development, identity development, incentive processing mechanisms and health behaviors across this developmental period with critical implications for mental health outcomes. These are explained in detail in Section 9 below. Before addressing these issues, I discuss available research on the prevalence and frequency of social media use by adolescents, as well as some key attributes of social media that contribute to its impact on adolescents.

E. 7.5. Unique Features of the Social Media Experience

123. There are several unique features of social media that distinguish it from other forms of social interaction and contribute to its impact on adolescents. These features of social media have unique and potent influences on adolescent development, making social media distinct and unlike any social landscape adolescents have previously navigated. In their *Transformation Framework*, the authors propose several unique features of social media (Nesi et al., 2018):

1. 7.5.1. Publicness.

124. Social media platforms enable wide audiences to view, like, share, and comment on content, making it far more public than most offline interactions. Adolescents are especially concerned about how others view them, and literally construct an “imaginary audience” whereby they have a heightened sense of self-consciousness and imagine that their behavior is the focus of everyone else’s concern (Elkind, 1967). Due to its publicness, social media has added another level of stress and worry about being judged to adolescence. The imagined audience is now so much bigger – rather than being a few classmates, it might be everyone in one’s social network. Additionally, tagging in photos or posts can make content more publicly visible than originally intended, sometimes leading to social stress or embarrassment. Public follower counts and geolocation features can further heighten concerns about visibility, safety, and social comparison.

This is especially concerning when privacy settings are not defaulted to the safest, most private options, and most youth and parents are unaware that they need to change their privacy settings.

125. Defendants' documents provide further support that the public nature of social media use can lead to mental health challenges in teens. For example, one Meta document noted that "[u]ser research indicates unwanted photos... are a problem for teens – and there are no real tools to deal with this."¹ Other Defendants documents contained similar findings.² Specific features of these platforms that I believe contribute to this phenomenon include short form videos, beauty filters, likes/metrics, default setting to public, and the algorithm.

2. 7.5.2. Visualness.

126. Social media has become predominantly a visual medium, with an emphasis on images, videos, and aesthetic presentation. Adolescents often curate their online identities, using photo-editing apps, beauty filters, and carefully selected angles to present idealized versions of themselves. The prevalence of appearance-enhancing filters can lead to body image concerns and appearance-based social comparisons, especially among adolescents who frequently see unrealistic portrayals of beauty online. Tagging in photos also adds social pressure, as adolescents may feel the need to control how they are presented by others in public spaces. Additionally, disappearing or ephemeral content (such as Instagram Stories) encourages frequent sharing of visual updates. The emphasis on instant, visually engaging content reinforces the importance of

¹ META3047MDL-044-00026817, -6818

² See GOOG-3047MDL-01435767; Slide 32 (Finding that "leverag[ing] demographic and location signals" would "increase Gen Z reliability with YT Discovery recommendations"); SNAP3129584 ("For some, streaks help maintain connections among friends and to re-create real-life relationships in app. However, for others it has become compulsive behavior..."); TIKTOK3047MDL-036-LARK-00107642, -7647 ("[T]he feature and app are designed to drive engagement metrics by creating a sense of urgency and social pressure to share more content, connect with more people (very likely including strangers)").

aesthetics and appearance-driven social validation, shaping adolescent self-presentation and peer dynamics in unique ways. This focus on visuals also affects how adolescents curate their online identities, often prioritizing visually appealing content to gain approval, as well as the application of appearance-enhancing filters.

127. Defendants’ documents support this finding as well. For example, Snap, whose platform first supported visual filters, found that “users were very quick to point to their own perceived physical ‘flaws’ with some highlighting the benefit of looking lighter in a Lens” and that while these effects had been “normalized” among users “it is evident to the team that this normalization is problematic.”³ These researchers also reported receiving “troubling” responses from users participating in the study such as: “I love the filter it hides my ugliness [sic]” and “the filters actually make me look decent instead of being a horrendous ugly black girl.”⁴ Other platforms made similar determinations as well.⁵ Specific features of these platforms that I believe contribute to this phenomenon include short form videos, filters, likes/metrics, and the algorithm.

3. 7.5.3. Availability.

128. Social media platforms are accessible 24/7, providing constant opportunities for interaction, feedback, and connection. Features such as notifications, streaks (on Snapchat), and status indicators (“active now”) contribute to compulsive checking and a fear of missing out (FOMO) (Griffiths, n.d.). Adolescents may feel pressured to stay constantly updated and respond immediately to messages, and maintain Snapchat streaks or active posting habits, which can

³ SNAP0640776, -0777 (emphasis in original).

⁴ SNAP0640776, -0777

⁵ META3047MDL-014-00358776, -8779 (“[W]e met with representatives from Google’s well-being research team, camera engineers and PMs. They have been investing heavily in research in camera beautification and their conclusions have been similar to ours – highlighting that global experts believe this to be a mental health risk.”)

interfere with sleep and other daily activities. One of the most addictive aspects of social media is the endless scroll, where platforms continuously load new content without a stopping point. This design feature keeps adolescents passively engaged for extended periods, making it easy to lose track of time and prioritizing social media over sleep, schoolwork, or in-person interactions. The combination of constant accessibility and infinite content fosters a sense of urgency to stay updated, reinforcing habitual use and potentially interfering with mental well-being and self-regulation.

129. This finding is further supported by Defendants own research. For example, TikTok’s internal studies reported “longitudinal associations between very frequent social media use and mental health and well-being in girls [and boys] were largely mediated by cyberbullying and displacement of sleep and physical activity.”⁶ Internal documents provided from the other Defendants reflected similar observations.⁷ Specific features of these platforms that I believe contribute to this phenomenon include notifications, direct messaging, likes/metrics, lack of parental controls, comments, and endless scroll.

4. 7.5.4. Quantifiability.

130. Social media quantifies social interactions through likes, comments, shares, and follower counts, offering numerical feedback on one’s popularity and social influence. Adolescents, who are particularly sensitive to social evaluation, may compare their engagement metrics to peers, experiencing distress when their content receives fewer likes or comments. This

⁶ TIKTOK3047MDL-002-00100441, -0445-46

⁷ See META3047MDL-019-00127958, Slide 4 (“[T]eens reported that while their phone didn’t wake them at night, it was a constant distraction during both the night and the day.”); GOOG-3047MDL-00236723, Slide 9 (“27% of 18-24 year olds report YouTube cutting into their sleep time.”); SNAP0404262, -4286 (Identifying “los[ing] sleep” as a negative effect of “checking your phone all the time, looking for notifications, the infinity scroll.”).

numerical validation can drive adolescents to post content that maximizes engagement—sometimes at the expense of authenticity—and to delete or edit posts that do not perform well.

131. All of the Defendants internal documents reflect this phenomenon. For example, as discussed above, Snapchat “streaks” reflect long-term connection with other users; however, they also reflect a “strong social pressure to maintain a streak, and breaking a streak can negatively affect personal relationships.” A similar phenomenon was observed with respect to likes, comments, and notifications.⁸ Specific features of these platforms that I believe contribute to this phenomenon include notifications, likes/metrics, streaks, and comments.

5. 7.5.5. Algorithmic.

132. Social media platforms make use algorithms that prioritize engagement. These algorithms provide a personalized experience that the platforms predict will be engaging based sometimes on inferred preferences and sometimes on what the users have previously liked or interacted with, creating echo chambers and reinforcing pre-existing preferences, beliefs, or biases. Adolescents may find themselves drawn into endless scrolling loops, repeatedly exposed to trending challenges, viral beauty standards, or extreme viewpoints. Features like “For You” pages, recommended posts, and personalized notifications amplify this effect, shaping adolescents’ worldview, self-esteem, and behaviors based on what the platform determines will keep them engaged. For adolescents, this algorithmic curation can shape their worldview, limit exposure to diverse perspectives, and amplify pressures around trending topics or social norms. Although not

⁸ See TIKTOK3047MDL-006-00326148, -6181 (“Putting 16-17 year olds in a position where they are required to compete for likes would not be well received and I would advise against opening up Match for this reason.”); META3047MDL-047-00573740, -3749 (“Best/ideal self is distinctly characterized by validation from others – those posts which receive the most likes.”); GOOG-3047MDL-04848897 (“Teens deleting posts may suggest damaging psychological relationships with social media...”).

proposed in the original transformation framework by Nesi et al. (2018)), this feature is one of the most salient features making social media a unique and potent context that has transformed adolescents' social landscape).

133. YouTube's internal documents demonstrate that "a feed in a teen session can have a high volume of videos that repeat the same message."⁹ Meta and Bytedance studies reflect similar conclusions as well.¹⁰ Specific features of these platforms that I believe contribute to this phenomenon include short form video, infinite/endless scroll, explore/for you page, and stories.

6. 7.5.6. Asynchronicity.

134. Social media allows for delayed communication, meaning that users can respond to direct messages (DMs), posts, or comments hours or even days after seeing them. This delay enables adolescents to engage in careful, selective self-presentation, crafting responses to maximize approval. This asynchrony contrasts with real-time conversations and can lead to prolonged rumination, anticipation, or misinterpretation of messages, potentially amplifying social anxiety and self-consciousness. The ability to leave messages "on read" without responding can also heighten stress and uncertainty in peer relationships. Additionally, beauty filters—which allow users to edit their appearance before posting—further contribute to asynchronous self-presentation, as adolescents can modify their images to align with idealized beauty standards. The ability to perfect one's appearance before sharing adds another layer of social pressure, reinforcing unrealistic self-expectations and potentially influencing body dissatisfaction over time. Specific

⁹ GOOG-3047MDL-01372609, -2619.

¹⁰ See TIKTOK3047MDL-004-00144763, --4763 (Acknowledging there is a "real contagion effect" due to unavoidable fact of "rabbitholing" caused by algorithms); META3047MDL-005-00000001, -0003 ("If algorithms favor content or functionality that encourages people to spend more time on Facebook, then it's possible that this will by its nature tap into addictive mechanisms.")

features of these platforms that I believe contribute to this phenomenon include notifications, comments, beauty filters, likes/metrics, streaks, and direct messages.

7. 7.5.7. Cue Absence.

135. Social media interactions often lack nonverbal cues like facial expressions, tone of voice, and body language that are present in face-to-face communication. The absence of these cues can lead to misinterpretations and misunderstandings, as adolescents must rely on text, emojis, or reactions to infer meaning. For instance, short responses in DMs or group chats may be perceived as dismissive or rude when no tone is conveyed. One example of this is Instagram Stories, which are temporary posts that disappear after 24 hours. Because ephemeral content like Stories are short-lived and lack direct conversational context, they can be easily misread, leading to confusion about intent or social meaning. Adolescents may struggle more with resolving conflicts or gauging social cues in online interactions, particularly when messages seem vague or ambiguous. The reliance on text-based communication without facial expressions or vocal tone makes it easier for sarcasm, humor, or emotional nuance to be misinterpreted, potentially exacerbating social anxiety or conflict. Adolescents may struggle more with managing misunderstandings and resolving conflicts in online interactions compared to in-person interactions.

136. While not necessarily the focus of Defendants research, their internal documents reflect an understanding of the importance of social cues in teen relationships. For example, a “friendship study” Snap conducted referred to third party research where researchers found that Gen Z and Millennials were “twice as likely as older generations to prefer to ‘resolve an issue over text or social media’” and other research that concluded that “talking face-to-face is the best way

to resolve conflict.”¹¹ Internal documents reviewed from the other Defendants reflect similar information.¹² Specific features of these platforms that I believe contribute to this phenomenon include comments, beauty filters, tags, and ephemeral content.

8. 7.5.8. Permanence.

137. Unlike face-to-face conversations that are transient, content shared on social media is often stored and accessible indefinitely. Posts, direct messages (DMs), tagged photos, comments, and likes may persist even if deleted, as they can be screenshotted, archived, or resurfaced later, creating a digital footprint that can affect future opportunities and relationships. This is particularly relevant for adolescents who may be more likely to post or share content impulsively and without consideration of the long-term consequences of their permanently available content. Beauty filters and edited images, once posted, may also contribute to lasting appearance-related pressures, as they set unrealistic standards that remain visible online.

138. One internal Meta document states that “[t]eens today are growing up with their entire life on Social Media... This content can be resurfaced or found by friends, creating potentially embarrassing or sensitive moments” and acknowledges that they are “the first generation to deal with this problem.”¹³ Documents provided by the other Defendants reflect

¹¹ SNAP3803049, -3083-84.

¹² See also TIKTOK3047MDL-004-00137151, -7152 (Acknowledging that use of use of TikTok “correlates with a slew of mental effects like loss of analytical skills... contextual thinking, conversational depth, [and] empathy.”); META3047MDL-040-00102898, -3022 (Discussing “Context Sharing” and how to adapt the “multitude of nuanced social cues to indicate interest/availability” in offline contexts to an online platform like Instagram.); GOOG-3047MDL-00157413, Slide 36 (“People can find & connect with each other on the Platform. This is especially risky b/c the physical & social cues people use to sense impropriety or creepiness are more easily masked behind digital identities.”).

¹³ META3047MDL-044-00026817, -6818.

similar issues and/or concerns.¹⁴ Specific features of these platforms that I believe contribute to this phenomenon include tags, comments, likes/metrics, and direct messages.

VIII. Current Research on Social Media and Adolescent Brain Development

139. As discussed above, adolescence is a critical period of neurodevelopment, when the brain undergoes rapid and dynamic changes that shape emotional, cognitive, and social functioning (Crone & Dahl, 2012). Adolescence is marked by heightened neural plasticity, meaning the brain is particularly sensitive to experiences and environmental influences, including social media. During this time, key neurobiological systems—including those involved in **social processing, executive function, motivational relevance** (i.e., reward sensitivity), and **affective salience**—are undergoing substantial maturation. In Section 8.1 below, I quickly detail how neurodevelopment in each of these networks make social media use during this time uniquely powerful, as adolescents become more attuned to social interactions and feedback while also experiencing shifts in impulse control, emotional reactivity, and reward processing that make digital engagement particularly compelling. I then turn, in Section 8.2, to evidence of the neurobiological effects of social media in adolescents.

A. 8.1. Neurobiological changes that make social media especially potent

140. One central aspect of adolescent neurodevelopment is the increasing importance of social acceptance and rejection. Changes in the structure and function of the **“social brain” network**, which includes regions such as the medial prefrontal cortex, superior temporal sulcus,

¹⁴ GOOG-3047MDL-00187874, Slide 28 (“Teens may have access to all corners of the internet, but until they start applying for jobs... they may not understand fully the implications of their online habits.”); TIKTOK3047MDL-006-00326148, -6161 (“The ability for others to download videos means early teens’ online personal history becomes part of their digital footprint and can be exploited by bad actors.”); SNAP0221370, -1371 (“It’s why we made Snaps delete by default—because until social media platforms came along, friends didn’t keep a permanent transcript of every conversation they had.”).

and temporoparietal junction, lead to greater sensitivity to social evaluation (Blakemore & Mills, 2014). This heightened social attunement makes adolescents particularly responsive to online interactions, where likes, comments, and digital approval provide immediate social feedback. At the same time, social rejection, whether through exclusion, cyberbullying, or perceived lack of engagement, can be experienced as highly distressing. The salience of social interactions during this period may explain why adolescents are drawn to social media and why digital social experiences may have lasting effects on their emotional well-being and mental health.

141. Additionally, adolescence is characterized by **shifts in reward processing**, with an increased sensitivity to appetitive, novel, and arousing stimuli due to changes in the dopamine system and the maturation of the ventral striatum (Steinberg, 2008). This makes social media particularly enticing, as its unpredictable, fast-paced, and reward-based structure aligns with the adolescent brain's heightened response to novelty and rewards. Features such as infinite scrolling, notifications, and instant social validation capitalize on these neurobiological tendencies, reinforcing habitual use and making social media difficult to resist. Adolescents may therefore be more likely than adults to develop problematic social media behaviors, especially if they struggle with impulse control or delaying gratification.

142. Compounding these effects is **affective salience**, or the degree to which social experiences are perceived as especially pleasurable or distressing. While reward sensitivity governs an adolescent's motivation to seek rewards or avoid punishments, affective salience determines how intensely social experiences are felt. Adolescents experience heightened emotional reactivity, meaning that social interactions—both positive and negative—carry greater emotional weight than they do in childhood or adulthood (Silvers et al., 2012). This is driven in part by increased activity in the amygdala, which processes emotional significance, as well as an

imbalance between these systems and the still-developing prefrontal cortex, which regulates emotional responses (Tottenham & Galván, 2016). This heightened affective salience makes adolescents especially sensitive to the emotional highs and lows of digital interactions. For example, receiving a positive comment or a large number of likes on social media may feel disproportionately rewarding, reinforcing continued engagement. Conversely, a perceived slight, such as a lack of responses to a post or being excluded from an online group, may feel disproportionately painful, increasing vulnerability to social anxiety or mood disturbances. The unpredictability of these emotionally charged interactions makes social media particularly compelling for adolescents, as they continually seek positive reinforcement while remaining hyper-aware of potential social threats. Adolescents who are particularly reactive to social emotions may be at higher risk for problematic digital media behaviors, such as excessive monitoring of their online presence or rumination on negative interactions, which could shape both neural development and emotional well-being over time.

143. At the same time, **executive functions**, such as cognitive control, attentional regulation, and decision-making, are still developing, particularly within the prefrontal cortex, which continues to mature into early adulthood (Casey et al., 2019). This means that some adolescents, particularly those with difficulties in controlling their thoughts and behaviors, may be more vulnerable to habitual digital media use. If an individual struggles to regulate attention and inhibit impulses, they may find it especially difficult to disengage from social media, reinforcing compulsive use patterns. Over time, these behavioral patterns may not only shape neural development but also influence broader cognitive and emotional outcomes.

144. Together, these neurodevelopmental factors help explain why adolescents are particularly susceptible to the pull of social media, why some are at greater risk for problematic

use, and how digital interactions might shape brain development in ways that extend beyond adolescence. Understanding these processes is essential for identifying those most at risk. Below I detail these important psychological processes and corresponding neural networks and how they relate to social media.

B. 8.2. Evidence of the neurobiological effects of social media in adolescents

145. In the following sections, I provide strong evidence from rigorous empirical studies showing (1) how heightened reward sensitivity in the brain leads to reward seeking behaviors, including engaging in digital status seeking behaviors (8.2.1 below); (2) how impairments in executive functioning and prefrontal cortex engagement results in maladaptive social media experiences and an inability to resist immediate social rewards, leading to poor engagement in school, ADHD, and impulsivity (8.2.2 through 8.2.4); (3) how heightened social sensitivity in the developing brain increases self-consciousness, contributing to body image concerns in highly appearance saturated social media environments (8.2.5); and how changes in the developing brain make social rejection and bullying on social media especially painful for adolescents resulting in mental health problems (8.2.6).

1. 8.2.1. Hypersensitivity to Rewards

146. Puberty induces key hormonal changes that result in the reorganization of dopaminergic pathways in reward-related brain regions (Urošević et al., 2014). As a result, adolescents show a heightened sensitivity to rewards and an increased tendency to seek out exciting, novel experiences. Adolescents, relative to children and adults, show amplified responses to reward in a key brain region in the dopamine system – the ventral striatum¹⁵ (Schreuders et al.,

¹⁵ The ventral striatum and nucleus accumbens are used interchangeably to refer to the same region

2018). Adolescents exhibit greater ventral striatum activation relative to children and adults when anticipating social rewards and avoiding social punishments (e.g., receiving social acceptance or avoiding rejection from peers), when receiving “likes” on social media, or when engaging in thrilling behaviors in front of peers (Chein et al., 2011; Guyer et al., 2009; [REDACTED] et al., 2018; Somerville et al., 2011). Because of their heightened reward sensitivity, youth become invested in behaviors on social media that help them receive positive attention from their peers.

147. **Social belonging.** Belonging to a social group is one of the most important factors contributing to physical and psychological health and well-being. Social belonging is proposed to be essential for survival (Baumeister & Leary, 1995). Indeed, social isolation increases risk for premature death as much as smoking, diabetes, or obesity (Holt-Lunstad et al., 2015; House et al., 1988). It has therefore been proposed that social belonging is one of the most fundamental human needs (Baumeister & Leary, 1995; Cruwys et al., 2014; Pickett & Gardner, 2005). Because the need to belong is so strong in adolescence, adolescents are acutely aware of their peers’ behaviors and perceptions, even more so than adults and children. Social belonging and acceptance become even more salient on social media due to the affordances of these platforms. Social media platforms maximize user engagement by providing highly visible and quantifiable social feedback in the form of likes, comments, and followers, as well as push notifications that elicit a dopamine response in the brain. These forms of feedback feed into adolescents’ need for social connection.

148. Researchers have sought to examine how adolescents’ brains respond when being accepted on social media and have shown that social acceptance recruits the reward system. For example, social acceptance has been studied using task paradigms that mirror online communication. In the chatroom task, participants view profiles of peers and indicate whether they are interested in chatting with them (Guyer et al., 2012). They are told that other teens are also

judging their profile and indicating if they are interested in the participant. During a brain scan, they then get to see which teens are interested in meeting them. Adolescents report greater positive affect when they receive acceptance feedback from high-interest peers (i.e., the peers they were also interested in chatting with), and at the neural level, being accepted recruits activation in the ventral striatum, a brain region involved in reward processing (see Figure). This tells us that acceptance feedback on social media, particularly when coming from high interest peers, is very rewarding for adolescents. This is one mechanism that will draw adolescents into social media platforms.

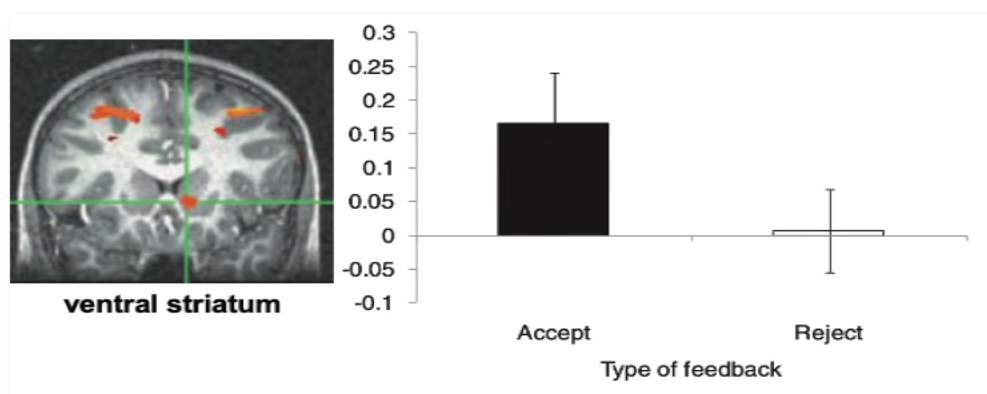


Figure note. Adolescents showed heightened ventral striatum activation (left image) when receiving acceptance from high interest peers (black bar) but not when receiving rejection from peers (white bar; right figure) (Guyer et al., 2012).

149. **Seeking Likes.** Adolescence is characterized by biological sensitivities that contribute to a heightened dependence on peer relationships for self-esteem, leading to an intensified emphasis on peer status and validation (Trekels et al., 2024). The increased opportunities for impression management coupled with quantifiable peer feedback on social media have led adolescents to meticulously control and enhance their online presence in ways to receive greater social rewards (e.g., likes). Likes, in particular, are a quantifiable representation of social acceptance, and a form of “online social currency.” Likes have high social value for adolescents,

especially adolescents high in social comparison and feedback seeking (Sánchez-Hernández et al., 2022). In other words, when adolescents are high in social comparison and feedback seeking, they value likes more. Indeed, adolescents are more sensitive to social feedback than adults and are more likely to increase engagement on social media after receiving more likes (Sánchez-Hernández et al., 2022).

150. In a clever set of studies, da Silva Pinho et al. (2024) examined how youth interact with and respond to social media feedback and its effects on their mood. In the first study, they used computational analysis of Instagram trace data, thereby relying on real-life posting behavior and feedback sensitivity to likes. Their sample was large, consisting of Instagram posts of adolescents ($n = 7718$, ages: 13 to 19 years) and adults ($n = 8895$, ages: 30 to 39). They had 1,724,926 posts, which they analyzed using computational modeling. This model provides two parameters that can explain individual or developmental differences in social media engagement: (1) the learning rate (α), capturing the sensitivity to social feedback; and (2) the effort cost (C), which captures the effort associated with posting. By quantifying the sensitivity to social media feedback and the effort required to post, this framework provides a structured way to directly test age differences in the impact of social media feedback on social media engagement. As shown in the Figure below, they found that adolescents' social media engagement is more strongly motivated by their response to likes compared to adults, as evidenced by higher learning rates, and it is not related to their better skills as digital natives (i.e., not the effort cost).

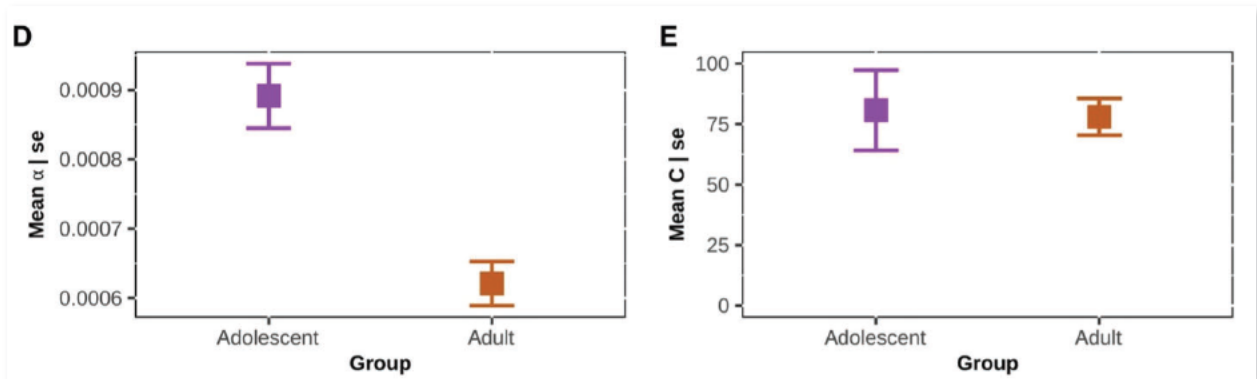


Figure Note. The left image (D) shows learning rates. Adolescents showed a significantly higher learning rate than adults. Higher learning rate indicates sensitivity not only to receiving more likes than expected but also to the unexpected absence of likes. The right image (E) shows effort cost. Adolescents' effort cost was not significantly different from that of adults, suggesting that the difference in sensitivity is not due to their dexterity in posting as digital natives. Figure from da Silva Pinho et al. (2024)

151. These findings show that adolescents will engage more strongly with social media platforms than adults if they receive many likes, but at the same time, they will also disengage more quickly when the likes are not forthcoming. These findings suggest that adolescents have a strong motivation to engage with social media to gain social validation as they are more sensitive to receiving likes but are also affected more strongly by social rejection (i.e., receiving fewer likes). These findings provide strong causal evidence that social rewards causally influence social media engagement, particularly among adolescents.

152. The same researchers created an experimental task mimicking features of social media platforms to investigate how social feedback affects mood (da Silva Pinho et al., 2024). In this experiment, adolescent ($n = 92$, ages: 16 to 20) and adult ($n = 102$, ages: 30 to 40) participants could scroll in a feed and post “memes” for which they received real feedback (number of likes). Participants reported their mood and how they were feeling at that moment (1 = extremely negative to 100 = extremely positive). They rated their mood before the experiment, after receiving high-rewards (i.e., lots of likes) and after receiving low-rewards (i.e., few likes). Adolescents' mood

was more affected by a decrease in the number of likes they received compared to adults. While both age groups reported feeling more positive after receiving lots of likes, adolescents had more negative mood at the end of the experiment compared to adults who reported a positive mood. These findings provide experimental evidence that adolescents' negative mood is more strongly affected by social media, particularly after receiving fewer likes compared to adults.

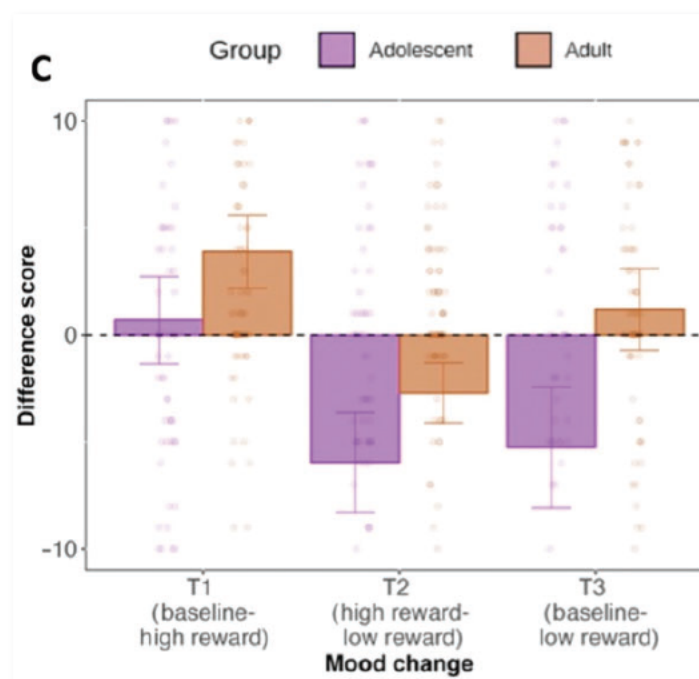


Figure note. The figure shows changes in participants mood across the task. Adolescents are shown in the purple bars and adults are shown in the orange bars. At baseline (T1), adults' mood was higher. Adolescents' mood was more affected by a decrease in the number of likes they received compared to adults (at T2). Moreover, adolescents had more negative mood at the end of the experiment compared to adults who reported a positive mood. Figure from da Silva Pinho et al. (2024)

153. **Digital Status Seeking.** Likes are potent social rewards that both reinforce continued social media behavior and boost social status by signaling and quantifying approval from others (Hayes et al., 2016; Rosenthal-von der Pütten et al., 2019). Adolescents, driven by a desire to attain digital social status, often seek out features such as likes, followers and snap streaks as measures of their social worth. The pursuit of these forms of social currency can lead them to

actively engage with features that boost their visibility, such as carefully curating posts to gain more likes or using beauty filters to enhance their appearance and increase the likelihood of positive attention. These behaviors are fueled by the need for social approval and recognition, which are particularly salient during adolescence as they navigate self-identity and peer relationships. As a result, the quest for digital validation can shape the content they share and their online behavior, further embedding the desire for social comparison and external affirmation.

154. The power of receiving these social rewards cannot be understated. In an experimental study featuring 613 adolescents, those who received fewer likes during a social media task reported greater feelings of rejection, more negative affect, and more negative thoughts about the self (Lee et al., 2020). Importantly, the negative effects of receiving insufficient social rewards may accumulate over time, in which adolescents who reported greater feelings of rejection after receiving fewer likes in the experiment reported increased depressive symptoms eight months later (Lee et al., 2020). Earlier experimental work confirms the immediate negative effects of receiving insufficient digital feedback. In a study featuring 333 early adolescents, receiving negative feedback on an online profile from a group of individuals that ostensibly comprised peers decreased self-esteem, whereas receiving positive feedback increased self-esteem (Thomaes et al., 2010). Collectively, these studies showcase the causal effects that digital social rewards have on adolescents' self-worth and mental health.

155. Adolescents' reward sensitivity and inclination to seek peer approval results in the ideal recipe for seeking digital markers of social status and avoiding behaviors that may harm these attempts, particularly when digital disapproval (both overt and in the form of the *lack* of social rewards, such as the receipt of too few likes) bears consequence on self-esteem and mental health. As such, a new behavior has emerged online – digital status seeking – whereby individuals engage

in behaviors online aimed at increasing their status in online spaces, typically through accumulating likes, followers, reposts and other digital markers of status (Nesi & Prinstein, 2019).

156. Adolescents who are high in reward sensitivity are more likely to engage in behaviors directed at gaining social reward, such as digital status-seeking. Indeed, in my own preliminary work, I find that adolescents who show hypersensitivity in the ventral striatum when viewing their classmates engage in increased digital status seeking behaviors one year later, but only for those who are high in peer approval. Other studies suggest that psychologically vulnerable youth may also be drawn to these digital status seeking behaviors. For example, a large follow-up study with 579 adolescents found that the negative effects of receiving too few likes are enhanced for adolescents who are victimized by their peers (Lee et al., 2020). Similarly, adolescents who are lower in peer-nominated popularity are perceived by their peers to engage in greater digital status seeking, perhaps in an attempt to gain approval and acceptance by their peers (Field et al., 2024). Adolescents who report greater importance of receiving digital social evaluations report higher body dissatisfaction and, alarmingly, greater restrictive eating attitudes (Fatt & Fardouly, 2023). Over time, the engagement in digital status seeking behaviors poses risk for future outcomes. Active efforts of digital status-seeking are linked to adverse well-being outcomes and engagement in risk behaviors (Nesi & Prinstein, 2019).

157. Desperation for digital markers of status may be so potent for some young people that they engage in like-seeking behaviors to enhance their chances of receiving digital approval, such as by posting at high-traffic times; these practices in turn predict negative outcomes such as lower peer belonging over time (Dumas et al., 2020). Adolescents themselves, particularly girls, report engaging in practices such as editing selfies and applying beauty filters to gain digital peer attention (Chua & Chang, 2016; Yau & Reich, 2019). Digital approval in turn is used to validate

domains of self-worth, such as self-perceived physical attractiveness (Chua & Chang, 2016). Together, these findings highlight the draw that digital social rewards have for adolescents, resulting in the engagement in maladaptive behaviors aimed at gaining these rewards. Despite the immediate perceived benefits that digital social rewards confer, long-term negative outcomes occur, likely canceling out any in-the-moment psychological boost.

2. 8.2.2. Impairments in Executive Control Coupled with Reward Sensitivity

158. Given the unprecedented access adolescents have to social information on digital platforms, regulation of emotions and behaviors driven by cognitive control networks may be particularly important during this time. Navigating digital social information may require users to regulate their emotional responses and behaviors online. Unfortunately, adolescents' protracted development of the executive control network may lead to difficulty initiating and sustaining self-regulatory processes which can impact their ability to control responses within rewarding digital social contexts. Features like infinite scrolling, autoplay, and push notifications continuously offer quick bursts of stimulation, reducing opportunities for adolescents to practice patience and self-regulation. As they become accustomed to rapid feedback, the ability to delay gratification may weaken, making it more challenging for adolescents to develop long-term self-discipline and impulse control.

159. Adolescence is a critical period for brain development, particularly in regions responsible for cognitive control and emotion regulation (National Academies of Sciences, Engineering, and Medicine, 2019). As social media use becomes increasingly prevalent among youth, researchers have begun to explore its potential psychological consequences, particularly for those with underdeveloped executive control systems. One emerging concern is that adolescents

whose executive control network is relatively less mature may be at heightened risk for the detrimental effects of social media on emotional well-being.

160. To test this hypothesis, researchers conducted a multimethod study to examine the links between time spent on social media and negative affect, with a focus on whether adolescents with weaker connectivity in the executive control network are most vulnerable to these effects (Kang et al., 2023). They employed ecological momentary assessment (EMA) to track real-time fluctuations in mood in relation to social media use and functional magnetic resonance imaging (fMRI) to assess executive control network connectivity, specifically within the frontoparietal network of the brain. Their results revealed that late adolescents who spent more time on social media experienced greater increases in negative affect. Moreover, weaker average functional connectivity within the frontoparietal system was identified as a risk factor, amplifying the negative emotional consequences of social media use. Specifically, for adolescents with weaker frontoparietal functional connectivity, spending extended time on social media predicted subsequent increases in negative affect (see Figure).

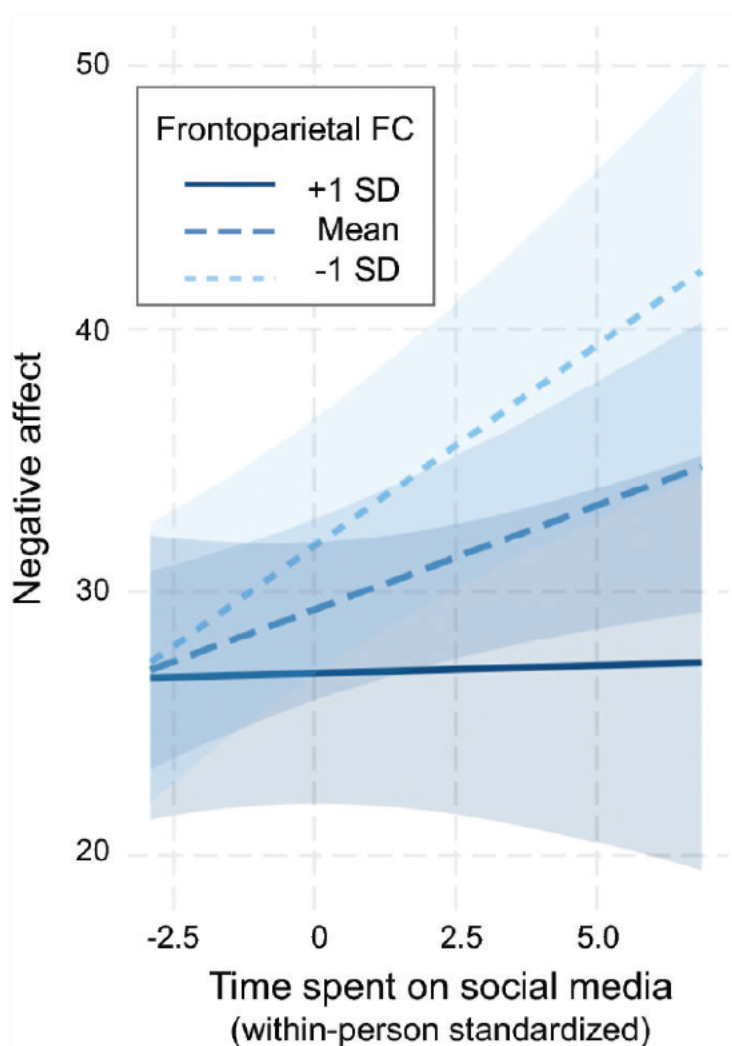


Figure Note. Figure depicts the temporal relationship between time spent on social media and subsequent negative affect. Individuals with the weakest (shown by the dotted light blue line) and mean (shown by the dashed medium blue line) levels of functional connectivity within the frontoparietal system at baseline reported greater increases in negative affect following longer than their usual social media use, using time varying reports collected twice a day. FC = functional connectivity; SD = standard deviation (Kang et al., 2023).

161. These findings highlight the critical role of the frontoparietal system in regulating emotions and mitigating negative emotional experiences. The frontoparietal network is implicated in cognitive control over emotions, and disruptions or immaturities in this system have been linked to greater difficulties in emotion regulation. Importantly, the researchers also found that lower frontoparietal functional connectivity was associated with higher depressive and anxiety

symptoms, as well as greater challenges in regulating emotions. This underscores the significant mental health risks that social media may pose, particularly for adolescents with underdeveloped cognitive control systems. As social media continues to shape the social and emotional landscape of adolescence, it is crucial to consider how individual differences in brain development may render some youth particularly vulnerable to its negative effects.

162. Other studies have examined self-control, using both self-report measures and experimental tasks, to assess how deficits in self-regulation might contribute to problematic social media use. Self-control is a critical cognitive function that allows individuals to regulate impulses, delay gratification, and resist distractions. However, research suggests that individuals who engage in problematic social media use often exhibit impairments in these abilities. For instance, individuals with problematic TikTok use self-report lower levels of self-control, indicating difficulties in resisting the urge to engage with the platform despite potential negative consequences (Su et al., 2021).

163. Beyond self-reported deficits, experimental findings provide further evidence of impaired cognitive control, increased impulsivity, and difficulties in self-regulation among problematic social media users. One way this has been tested is using cognitive control tasks (“Go/Nogo”) where participants’ ability to inhibit their automatic responses is measured. Individuals with problematic Facebook use (PFU) performed worse on a Go/NoGo task containing Facebook-related stimuli, showing lower accuracy compared to those without PFU (Moretta & Buodo, 2021). This suggests that problematic users struggle with inhibitory control, particularly when faced with cues associated with social media. Their difficulty in suppressing responses to Facebook-related stimuli implies that the platform exerts a strong cognitive pull, making it harder for these individuals to disengage. Indeed, at the neural level, problematic Facebook users showed

a reduced Nogo-P3 amplitude when viewing Facebook-stimuli. Reduced Nogo-P3 amplitude is considered a robust finding in substance use disorders. These findings align with broader theories of addiction, which propose that addictive behaviors—whether related to substance use or digital media—stem from dysregulated cognitive control mechanisms (Moretta & Buodo, 2021).

164. Neuroimaging research has shown that social media use may impair the executive control network in the brain. Studies using neuroimaging have shown that frequent social media engagement is associated with heightened activity in the brain's reward-related regions, such as the ventral striatum, which reinforces immediate gratification (Maza et al., 2023). Simultaneously, the prefrontal cortex, which is responsible for cognitive control and delaying gratification, is still undergoing development, making adolescents more susceptible to impulsive behaviors in digital environments (Casey et al., 2019). In an experimental social media task where adolescents viewed images depicting risky behavior relative to neutral images, adolescents showed decreased activation in the executive control network, suggesting that viewing risky behaviors online can disinhibit cognitive control (██████ et al., 2016) See figure below for ██████ study.

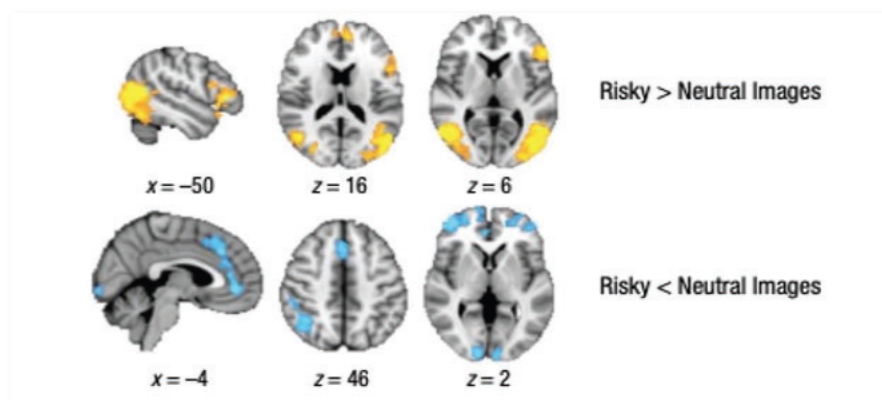


Figure note. Brain activation among adolescents when viewing image of risky images. Top panel shows areas of the brain that show greater activation to risky images. These include areas of the visual cortex as well as the ventrolateral prefrontal cortex. Image from (██████ et al., 2016)

165. Due to adolescents' protracted development of the executive control network and difficulty initiating and sustaining self-regulatory processes, there has been growing concern over the impact of digital media and technology on students' attention. Social media is a major source of distraction that can hinder users from successfully fulfilling important tasks by tempting them to use social media instead (Koessmeier & Büttner, 2021). Social Media Distraction refers to the process by which social media cues draw individuals' attention away from a task that they originally pursued (e.g., doing classwork or studying) (Koessmeier & Büttner, 2021; Wei et al., 2024). Social media distraction can be external (i.e., from the environment), such as receiving a notification, or internal (i.e., from within a person), for example when a user starts thinking about social media (e.g., unanswered messages (Koessmeier & Büttner, 2021). Due especially to mobile access to social media, this permeates into classrooms.

166. Distractions are caused by task-irrelevant stimuli that interrupt goal-directed behavior (Clapp & Gazzaley, 2012). Such distractions should be ignored when people want to focus on a task that requires their attention to fulfill a goal. For instance, when doing homework, focusing on a lesson in class, or studying, social media cues are distracting by drawing the attention away from the primary task at hand. As discussed by Koessmeier & Büttner (2021), there are 3 possible reactions to social media distractions: (1) *ignoring* the distraction and going on with the task; (2) *stopping* the task to use social media instead; or (3) starting to *multitask* (frequent switching between the task and social media). Most adolescents react with option 2 or 3. One explanation for why users engage in social media instead of ignoring it when engaged in a task is a failure of self-control (Koessmeier & Büttner, 2021). To forego the short-term pleasure of using social media for the benefit of long-term goals, social media users need to exert self-control. Social Media Self-Control Failure occurs when people fail in controlling their social media use when it

conflicts with other goals and obligations (Du et al., 2018). Social media's strong pull and hedonic appeal leads individuals to override their primary goals and tasks.

167. One study of individuals ages 18 to 69 years identified two types of Social Media Distraction: social distraction and task-related distraction (Koessmeier & Büttner, 2021). *Social distraction* refers to an increased susceptibility to social media distractions because of striving for social connection and fulfilling others' expectations, suggesting that social cravings may motivate multitasking and result in social media self-control failure because social media is rewarding. *Task-related distraction*, on the other hand, refers to an increased susceptibility to social media distractions in order to avoid unpleasant tasks, or to make uncomfortable situations more pleasant (Clapp & Gazzaley, 2012). Fear of Missing out (FoMO) emerged as a significant predictor of both social and task-related distraction (Clapp & Gazzaley, 2012). This suggests that users neglect their tasks in favor of not missing out on things online. Excessive social media use and a failure to engage in social media self-control therefore may occur due to anxiety about being disconnected from others.

168. An experimental fMRI study in late adolescence examined the neural mechanism of social media distraction (Wei et al., 2024). The researchers manipulated social information distractions from social media during an attention task and found that social media distraction caused a decrease in behavioral accuracy for both global and local (i.e., detailed) attention, while nonsocial information (e.g., Web browser "downloading done" alerts) distraction only affected global attention accuracy. This suggests that online social media information distracts attention more profoundly. At the brain level, compared to non-social media distraction, social online media information disrupts attention via the default mode network and stronger engagement of the visual network.

169. Another way to examine impulsivity and impairments with self-regulation is with a behavioral economics task used in addiction research – Delay Discounting— which assesses individuals’ tendency to opt for smaller short-term gains over larger long-term gains (Matta et al., 2012). Delay discounting is often simplistically referred to as impulsivity. The structure of social media platforms closely mirrors other forms of instant gratification, such as fast food or gambling, where immediate rewards create strong reinforcement loops that make it harder to wait for delayed benefits. Experimental research has demonstrated that adolescents who frequently check social media exhibit greater difficulty in delaying rewards and are more prone to impulsive decision-making. For example, in one experiment, researchers had Instagram users choose between smaller, immediate and larger, delayed amounts of hypothetical Instagram followers and likes (see Figure) (Schulz van Endert & Mohr, 2022). For instance, adolescents had the option to receive 54 followers (or likes) today or wait for more followers at a later point in the future.

1. Would you prefer 54 additional followers today, or 55 additional followers in 117 days?



☐ today



☐ in 117 days

Figure note. Figure shows example of the task. A traditional delay discounting task was modified for social media. In this example, participants could choose an immediate smaller reward (54 followers today) or wait longer for more followers (55 followers in 117 days). By increasing the delay and size of the reward, the researchers can quantify adolescents’ impulsivity in a social media context. (Schulz van Endert & Mohr, 2022).

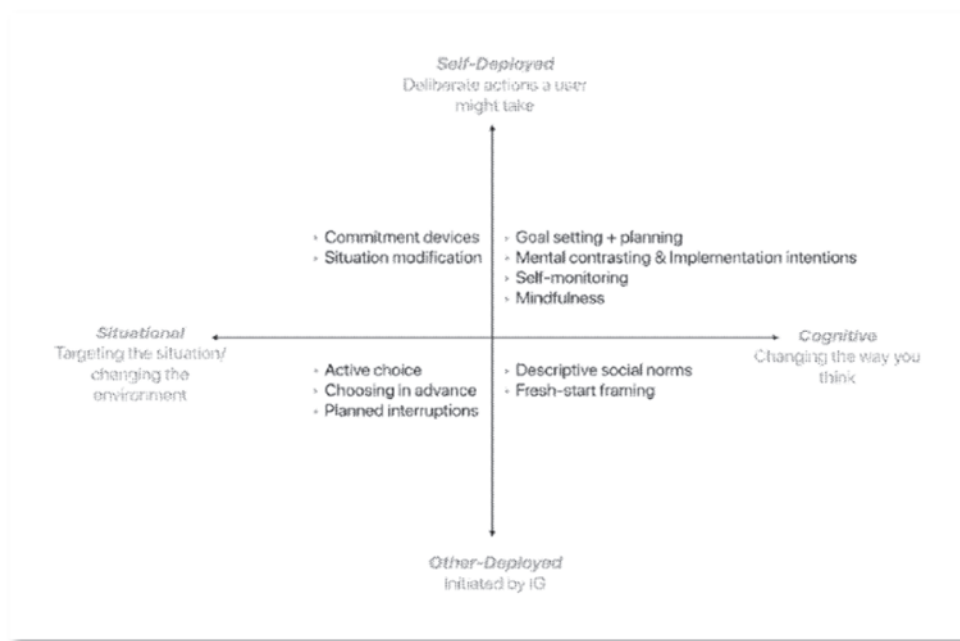
170. The researchers found that individuals who receive more likes on their Instagram posts in real life showed greater impulsivity to receive immediate likes on the task. In other words, they were more likely to choose a smaller number of likes immediately than wait longer for more likes. Importantly, impulsivity and the inability to delay gratification is specific to social media behaviors as opposed to other forms of screen time. For instance, late adolescents who spend more time on social media (measured via objectively collected net screen time) show greater impulsivity on an experimental delay discounting task (i.e., prefer smaller immediate rewards rather than wait for larger rewards), whereas other types of screentime (e.g., shopping, email, messenger, browsing) do not predict delay discounting (Schulz van Endert & Mohr, 2020).

171. These findings were replicated in the Defendants own research. For example, a Meta study titled “What Do Marshmallows Have in Common With Notifications” found that “over forty years of empirical work on delaying and self-control tells us that there are undoubtedly benefits to successfully resisting temptation” and that “the same thinking can be applied to notifications – people need to be able to differentiate between which notifications to immediately react to... and which might be an unnecessary distraction... and act accordingly.”¹⁶ It also found that “optimal [development] strategies depend not only on their likelihood of success but also on their ease of execution and how scalable they are.”¹⁷ The study goes on to discuss a range of behavioral and design alterations that could address users concerns along a spectrum of self-deployed “situational changes,” self-deployed “cognitive changes,” and “situational changes,” which are typically deployed by a 3rd party (*i.e.*, Meta) (see figure below).¹⁸

¹⁶ META 3047MDL-020-00711513, -1514

¹⁷ META 3047MDL-020-00711513, -1514

¹⁸ META 3047MDL-020-00711513, -1515-16



172. Delay discounting on social media may occur through differences in how the brain develops. In a structural MRI study, researchers examined the links between social media addiction, the ability to delay future rewards, and structural volumes of the brain. They found that social media addiction is associated with morphological differences in the insula, such that higher social media addiction predicts lower grey matter volume (see Figure) (Turel et al., 2018). Moreover, individuals who had higher social media addiction were more impulsive on an experimental delay discounting task. Thus, through morphological differences in the insula, individuals' preferences for immediate rewards are increased, and this impulsivity-prone disposition may result in problematic social media use that can manifest in addiction-like symptoms.

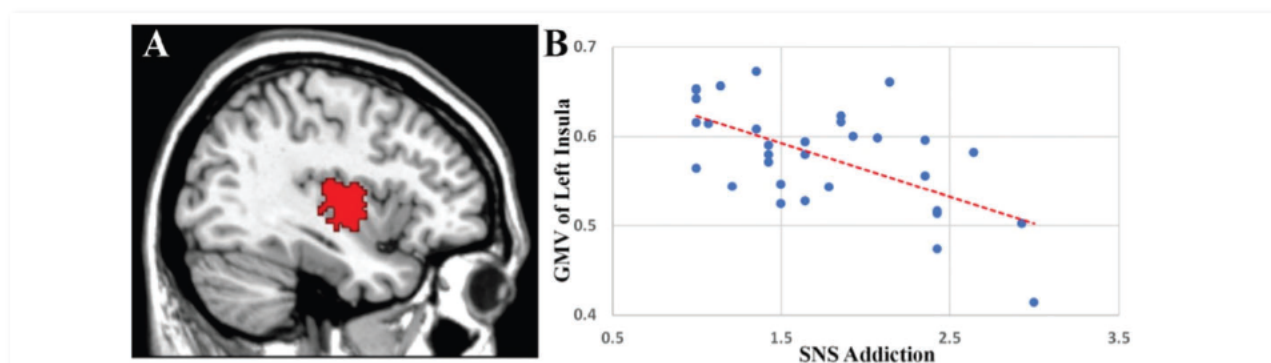


Figure note. Figure shows results of the ROI analysis. Panel A shows the insula ROI. Panel B shows the correlation between social media addiction and grey matter volume in the insula. The x-axis represents social network site addiction (SNS addiction), and y-axis represents grey matter volume in the left insula. Each blue dot represents one participant in the study. Image from (Turel et al., 2018).

173. These findings highlight the impact of social media's rapid feedback loops on the developing brain, shaping behaviors that prioritize immediate digital rewards over long-term goal-directed actions. Adolescents who have trouble controlling their behaviors in online settings may engage with digital media more impulsively, experience more attentional distractibility in response to media, and have more difficulty sustaining goal-relevant behaviors within digital media. Trouble regulating behaviors on social media, coupled with highly rewarding social media platform designs, may reinforce use and lead to more habitual social media use over time.

3. 8.2.3. Habitual or problematic social media use

174. Social media can deliver streams of highly salient incentives that are thought to be powerful drivers of continued and escalating social media use. Designed to maximize user engagement, social media platforms provide adolescent users with a constant supply of social rewards in the form of likes, positive comments, and followers. These social rewards are highly enticing for adolescents and may increase engagement on social media.

175. As noted earlier, the environment an adolescent is exposed to influences their brain development. During a time when the brain is especially plastic, exposure to different experiences,

including those on social media, can shape brain develop and drive changes in behaviors. The power of social rewards on social media platforms has also been proven neuroscientifically. In a study examining how adolescents' brains respond when receiving likes on social media, [REDACTED] et al. (2016)¹⁹ had adolescents submit photos that they were led to believe would be viewed and rated by other peers on social media. They developed a task that participants completed during fMRI that mirrored posting on social media platforms like Instagram. When adolescents posted photos and ostensibly received many likes from their peers, they showed greater activation in regions involved in reward processing and motivational relevance as well as salience processing, including the ventral striatum, ventral tegmental area, and caudate. This tells us that receiving more likes on one's own posts is highly rewarding and salient for adolescents.



Figure note. Figure shows example stimuli that participants viewed while being scanned (left images). Adolescents submitted their own posts, which were seen and ostensibly rated by their peers. Some images received few likes (e.g., 10 likes), and other images received more likes (e.g., 30 likes). When adolescents received more likes on their posts, they showed greater activation in a host of regions involved in reward, social cognition, and salience (right images). Figure from ([REDACTED] et al., 2016).

176. [REDACTED] (et al., 2016) also found that adolescents more often liked others' posts that had received many likes. In other words, adolescents show a strong peer influence effect,

¹⁹ [REDACTED], the first author of this research study, joined Meta as a user experience researcher after completing this study as a doctoral candidate in developmental psychology at UCLA. [https://www.linkedin.com/in/\[REDACTED\]](https://www.linkedin.com/in/[REDACTED])

liking posts that already have lots of likes from their peers. This was coupled with greater ventral striatum activation, an effect that increased across the teenage years (see also ([REDACTED] et al., 2018)), suggesting that viewing popular posts elicits a reward response. Another study found that participants who showed increased activation of the ventral striatum when receiving gains in social status reported greater social media use (Meshi et al., 2013). Together, these studies suggest that positive feedback from peers on social media serves as a potent social reward that draws adolescents into social media platforms and enhances their engagement on social media.

177. Receiving likes on social media is experienced as socially rewarding, which is a strong reinforcer driving social media engagement, and may lead to compulsive or problematic social media behaviors. Heightened sensitivity in reward-related brain regions could prompt future engagement with rewarding social media platforms. Over time, this may disrupt the normal development of reward circuits and could give rise to maladaptive behaviors online. Indeed, adults and adolescents who are more sensitive to receiving rewards on social media increase their engagement on social media (da Silva Pinho et al., 2024; Lindström et al., 2021). This greater reward sensitivity could prompt adolescents to seek out more immediate rewards and have more trouble with reward reinforcement learning, ultimately resulting in problematic social media behaviors.

178. Content typically accessed via social media is self-selected and thus inherently rewarding. Attractive aspects of social media (e.g., finding desired content, receiving a text or notification or like) are often attained at an intermittent, unpredictable frequency and saliency, operating on a variable ratio reinforcement schedule (Flannery et al., 2022). Variable ratio schedules are highly resistant to behavior extinction and thus are particularly well-suited for maintaining behavior. As such, it is unsurprising that people continue and increase their social

media use overtime and, as some evidence suggests, even trade species-typical rewarding behaviors (e.g., face-to-face social interaction (Twenge et al., 2019), sexual behavior (Ueda et al., 2020), exercise (Mustafaoğlu et al., 2018), etc.) for the immediate, easy access rewards delivered via social media.

179. Evidence suggests that individual differences in reward sensitivity are both a precursor to, and consequence of, how adolescents navigate their social media environments. Specifically, adolescents with greater reward sensitivities may be particularly apt to seek out social media incentives and thus are also particularly susceptible to their provocation of continued use, creating a self-reinforcing and cascading cycle across development with potential implications for novelty seeking, reward sensitivity, impulsivity, and habit formation into adulthood (Flannery et al., 2022). Indeed, previous research has found associations between neural reward sensitivity and increased problematic smartphone use among adolescents, such that adolescents high in problematic smartphone use show amplified reward sensitivity to social rewards, whereas those low in problematic smartphone use do not (Deng et al., 2021).

180. Recruitment of reward brain systems when engaging with social media may have implications for impulse control and future social media use behavior. For example, functional magnetic resonance imaging (fMRI) research found late adolescents who had social media addiction exhibited heightened activation in the ventral striatum when viewing Facebook stimuli (Turel et al., 2014) See Figure below.

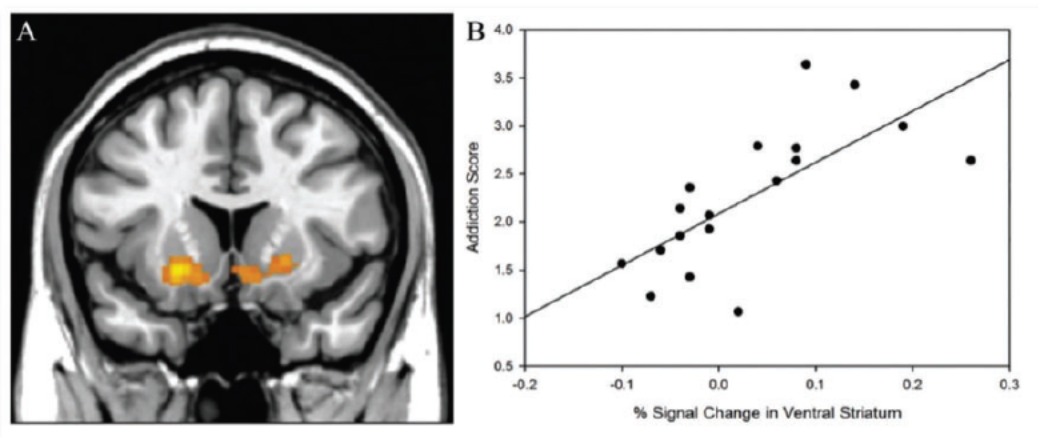


Figure note. The figure shows ventral striatum activation (left image), which was correlated with social media addiction when viewing Facebook stimuli (right image). The scatterplot shows the correlation between ventral striatum activation (along the x-axis) and social media addiction (along the y-axis). Each black dot represents one participant. Image from Turel et al. (2014).

181. Another fMRI paradigm, simulating social media experiences, demonstrated ventral striatum responsivity to both giving and receiving “likes” among adolescents and young adults, while another study observed that ventral striatum responsivity to positive social feedback (but not monetary rewards) predicted real-world Facebook use (Meshi et al., 2013; [REDACTED] et al., 2018). These findings underscore that adolescents with addiction-like social media symptoms have a hyperactive reward system, which makes this “addiction” similar to many other addictions, including substance use.

182. Excessive social media exposure may alter function in dopaminergic reward pathways in the brain, and in turn, further influence social media use. Neuroimaging research has shown that repeated exposure to the reinforcement schedules administered via social media is associated with altered structure and function of the neurophysiological systems underlying incentive processing (e.g., (Turel et al., 2014)). Indeed, higher frequency of daily Facebook checking is linked with smaller ventral striatum gray matter volumes (Montag et al., 2017). Further work has demonstrated a positive association between adolescent sensation seeking, disinhibition,

and maladaptive smartphone use (e.g., (Wang et al., 2019)). Like individuals with drug dependences, when compared to controls, individuals categorized with certain digital addictions display altered frontal-striatal connectivity (e.g., (Weinstein, 2017a)) that is thought to also be implicated in impulse control, as well as altered function in regions known to be involved in incentive processing including striatal, insula, anterior cingulate, posterior cingulate, and prefrontal regions (e.g., (Schmitgen et al., 2020)). Overall, fMRI evidence has indicated altered brain function among individuals addicted to social media, similar to that of individuals addicted to drugs.

4. 8.2.4. The motivational value of algorithmically targeted experience

183. Short video platforms (e.g., TikTok and Instagram Reels, YouTube shorts) provide highly engaging, personalized, and brief video posts. These platforms use sophisticated machine learning models to analyze user preferences, engagement patterns, and watch time, continuously refining the experience to capture attention. This creates a highly engaging and targeted stream of material feels endless, keeping users hooked as they anticipate the next video that might be even more entertaining or rewarding. Social media algorithms maximize user engagement by targeting posts that are highly motivationally salient, personally relevant, and emotionally stimulating, and rewarding. Social media engagement algorithms elicit greater use, most likely by altering how the brain engages with such content (Morris et al., 2023). The algorithm makes it difficult for users, particularly adolescents, to disengage, further increasing time spent on social media. This can result in users developing problematic usage.

184. Researchers have examined how the brain processes targeted videos to test how algorithms may be so powerful in continuously engaging individual's attention. In one study, young adults viewed their personalized recommended videos on TikTok while their brains were

scanned (Su et al., 2021). In one condition, they watched videos that were recommended for them based on the algorithms, and in a second condition they viewed general videos that were not recommended for the individual. The results showed dramatic differences in how young adults' brains processed the TikTok-recommended videos relative to the general videos on TikTok. In particular, when users viewed TikTok-recommended videos relative to general, non-targeted videos, they exhibited increased activation in brain regions associated with affective salience (e.g., amygdala, insula), social cognition (e.g., dorsomedial prefrontal cortex, TPJ), and executive control (e.g., dorsolateral prefrontal cortex), and motivational relevance (e.g., striatum). (see Figure)

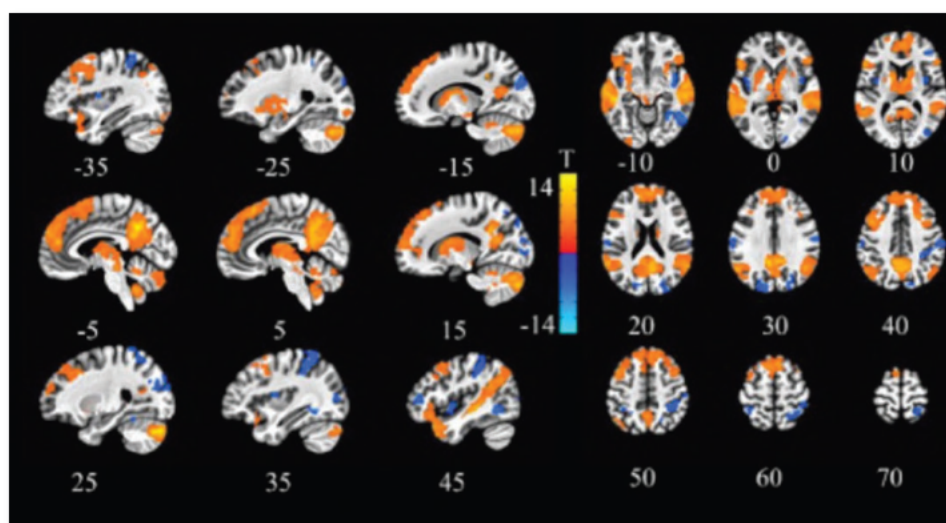


Figure note. Areas of the brain that were activated when viewing TikTok recommended content. Figure from Su et al. (2021).

185. Participants also showed significantly higher activation in the ventral tegmental area (VTA) when viewing TikTok-recommended videos relative to the general videos on TikTok (See Figure below). The VTA is a key region of the dopaminergic system and is involved in reward

processing (Hou et al., 2024). This shows that algorithms induce a higher level of value-based representations for personalized videos.

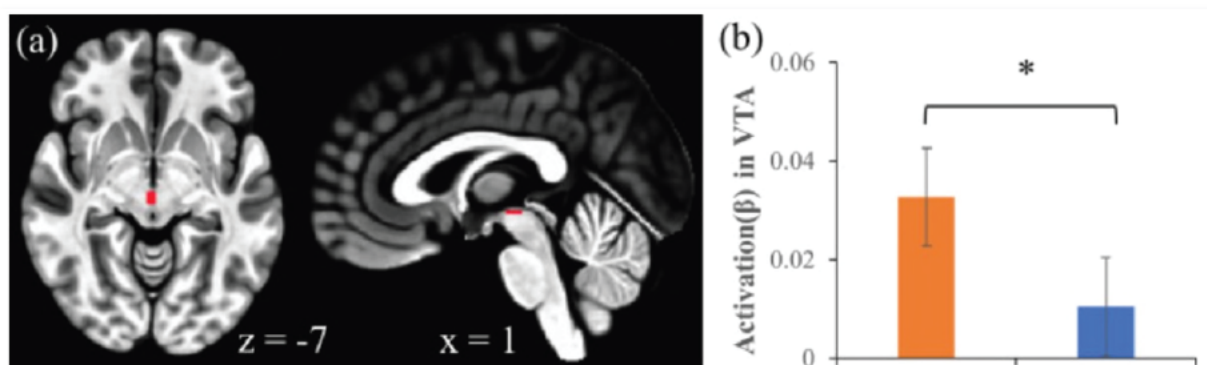


Figure note. Activation in the ventral tegmental area (shown in panel a) was significantly higher when viewing TikTok-recommended videos (shown in panel b, orange bar) compared to general videos (panel b, blue bar). Figure from Su et al. (2021).

186. Short-video platforms like TikTok, Instagram Reels, and YouTube Shorts can become addictive due to their unique combination of engagement algorithms, rapid consumption, and unpredictable rewards. Short video addiction (SVA) is characterized by the compulsive and uncontrolled use of short video platforms, where users excessively consume personalized content to the extent that it negatively interferes with other activities (Gao et al., 2025). Researchers have examined whether individuals with SVA show differences in structural and functional development of their brains and have found that individuals with SVA show increased morphological volumes in the orbitofrontal cortex (OFC; see Figure below). The OFC is part of the dopaminergic reward system, possibly reflecting more intense pleasure responses during engagement with personalized videos, which may increase vulnerability to addictive behaviors. Moreover, the OFC is also a critical brain region contributing to addictive behaviors and the development of substance use, especially in adolescence (Cheetham et al., 2012).

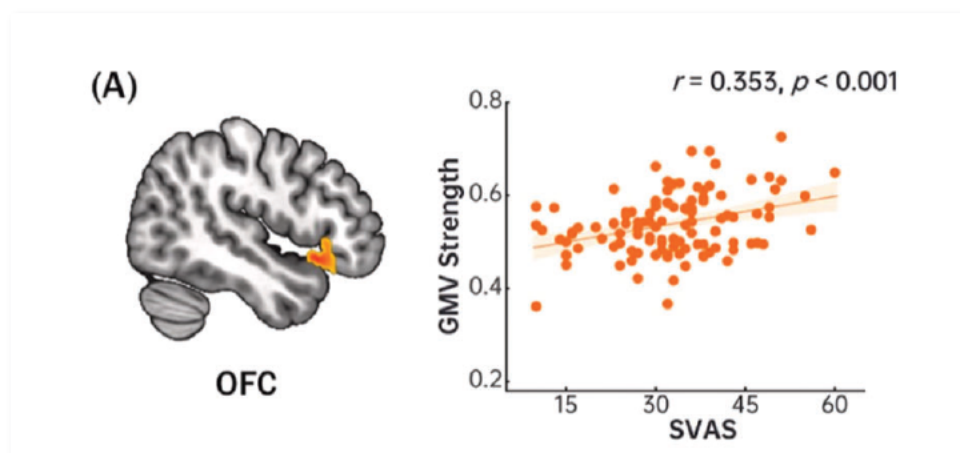


Figure note. Morphological volumes in the orbitofrontal cortex (left image) was correlated with short video addiction (right image). X-axis represents short video addiction scores (SVAS) and the y-axis represents grey matter volume in the OFC. Each orange dot represents one participant in the study. Figure from (Cheetham et al., 2012).

187. Excessive short-form video consumption also impacts attentional behavior, including self-control, impulsivity, and self-regulation. Due to the rapid, highly stimulating nature of the content, these videos keep the brain in a heightened state of reactivity, which can overstimulate the brain's reward system and reduce cognitive control. Executive functions, such as sustained attention, working memory, and response inhibition, rely on the brain's ability to regulate arousal and maintain cognitive control over goal-directed behavior (Diamond, 2013). However, short-form videos provide quick dopamine boosts, reinforcing a pattern of constant novelty-seeking. The quick, content-rich, and highly stimulating nature of short-form videos may reshape cognitive control processes, making it harder for individuals—particularly adolescents—to sustain attention, resist impulsive behaviors, and engage in effortful thinking. Researchers have examined the link between short-video addiction and self-control using neuroimaging techniques. For instance, with Electroencephalogram (EEG), theta brainwaves are considered a key neural oscillation underlying attention function. Researchers have shown that young adults with short video addiction show lower theta brainwaves, a neural oscillation index reflecting the executive

control network in the prefrontal cortex (see Figure below) (Yan et al., 2024). This finding suggests that short video addiction may impair executive control.

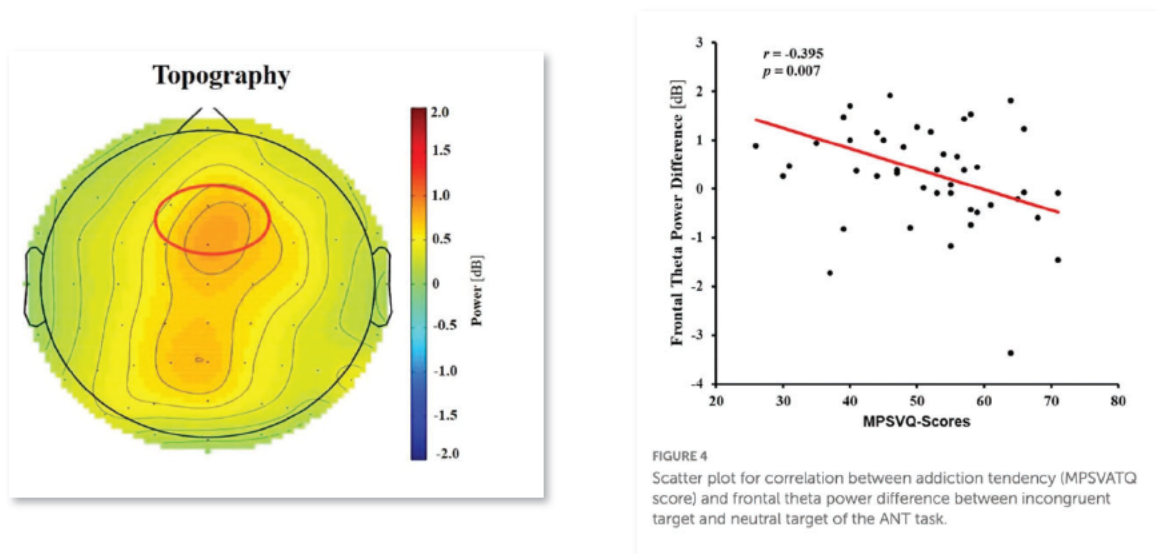


Figure note. Left panel represent theta brainwaves measured with EEG among those with short video addiction. Right panel shows the correlation among short video addiction scores on the x-axis and lower frontal theta power along the y-axis. Each black dot represents one participant in the study (Yan et al., 2024).

188. Together, all of these findings suggest that algorithms are particularly engaging because it taps into multiple neural systems that drive attention, emotional salience, and motivation. The heightened activation of affective salience networks indicates that recommended videos are emotionally compelling, making them harder to ignore. Increased activation in social cognition regions suggests that these videos may be particularly salient and prone to compulsive use given their developmental need for social learning, identity formation, or interpersonal. The engagement of prefrontal executive control regions might reflect the cognitive effort required to regulate attention and resist compulsive scrolling. Most critically, the increased activation and morphological differences in dopaminergic reward circuits reinforces engagement, making the experience of consuming algorithmically tailored content more pleasurable and potentially habit-

forming, especially for adolescents. These neural patterns help explain why algorithm-driven social media use can become problematic. The combination of emotional engagement, social relevance, and dopamine-driven reinforcement makes algorithmically targeted posts more difficult to disengage from. Over time, this pattern of heightened reward sensitivity may reshape neural pathways, reinforcing habitual use and increasing the risk of problematic social media behaviors, particularly among adolescents who already exhibit heightened sensitivity to reward.

189. **Links to ADHD.** ADHD is associated with atypical development of the prefrontal cortex and heightened sensitivity to immediate rewards, making it even harder for individuals to regulate attention and behavior (Arnsten, 2009). The prefrontal cortex, responsible for executive functions such as impulse control and decision-making, exhibits delayed maturation in individuals with ADHD (Arnsten, 2009). The neurobiological characteristics of ADHD manifest themselves on a behavioral level as impaired executive functions, leading to difficulties in sustaining attention and inhibiting impulsive actions and a strong preference for immediate over delayed rewards (Dekkers et al., 2022; Marx et al., 2021).

190. Social media environments, which are structured around instant feedback, frequent novelty, and variable reward schedules (e.g., unpredictable likes or comments), can be especially enticing for adolescents with ADHD. These platforms provide continuous bursts of dopamine-driven rewards, reinforcing compulsive engagement and making it even more difficult for individuals with ADHD to resist distractions or delay gratification in other aspects of life, such as academic tasks or long-term goal-setting. Indeed, adolescents with ADHD demonstrate more problematic social media use than their typically developing peers (Dekkers & van Hoorn, 2022). For instance, Facebook overuse and addiction is higher in adolescents with ADHD relative to controls (Gul et al., 2018). Empirical studies have demonstrated a bidirectional relationship

between ADHD symptoms and excessive social media use. For instance, hyperactivity, inattention, and impulsivity are both predictors and consequences of social media addiction over time, suggesting a cyclical exacerbation of symptoms (Dekkers & van Hoorn, 2022).

191. The appeal of digital media for adolescents with ADHD may lie in the fast-paced exchange of information that offers immediate reward and reinforcement (Beyens et al., 2018; Ra et al., 2018). In their integrative framework, Dekkers and van Hoorn (2022) suggest that their neurobiological vulnerabilities make social media even more rewarding, which for adolescents with ADHD is especially challenging because of their limited capacity for cognitive control. Thus, from a neurobiological perspective, it is understandable that regular use of social media might quickly turn to problematic use in adolescents with ADHD.

192. Because social media often encourages multitasking and rapid shifts in attention, it may exacerbate attentional difficulties, reducing the ability to sustain focus on less immediately rewarding but important activities, such as school work. Over time, excessive engagement with social media could further entrench impulsive behaviors, making self-regulation even more challenging for adolescents with ADHD. In summary, the interplay between ADHD-related neurodevelopmental differences and the design of social media platforms creates a compelling draw for immediate rewards, posing significant challenges to attention regulation and behavioral control.

5. 8.2.5. Social comparison and body image

193. **Heightened self-consciousness emerges in adolescence.** Adolescence is a developmental window when the social cognition network in the brain becomes more mature, which facilitates adolescents' ability to consider and weigh the feelings, motivations, and intentions of others (Choudhury et al., 2006). While this promotes some positive social behaviors,

such as empathy, this also causes heightened self-consciousness, greater concern about what their peers think of them, and engagement in greater social comparisons (Crone & Konijn, 2018).

194. In a classic neuroimaging study, Somerville (2013) brought participants into the lab who ranged in age from 8 to 23 years. Participants were led to believe that a small, one-way video camera was embedded in the head coil of the fMRI scanner. Participants were told that a peer was in another room and would monitor the video and see the participant's face whenever the camera was on. The researchers found peaks in mPFC activation among adolescents (relative to younger children) when they believed their peer was watching them (See Figure). This is a region of the social brain involved in social cognition and in thinking about the self in relation to others. This finding suggests that teens become hypersensitive to their peers, and this heightens their self-consciousness. Indeed, when the researchers asked the participants to report on their mood, adolescents reported the highest level of embarrassment. Just the mere idea that a peer is watching them is enough to increase their feelings of embarrassment and recruit brain regions involved in social processing. These findings underscore that adolescents have heightened social sensitivity, which makes them hyper-aware of their peers, which can have downstream effects on their body image.

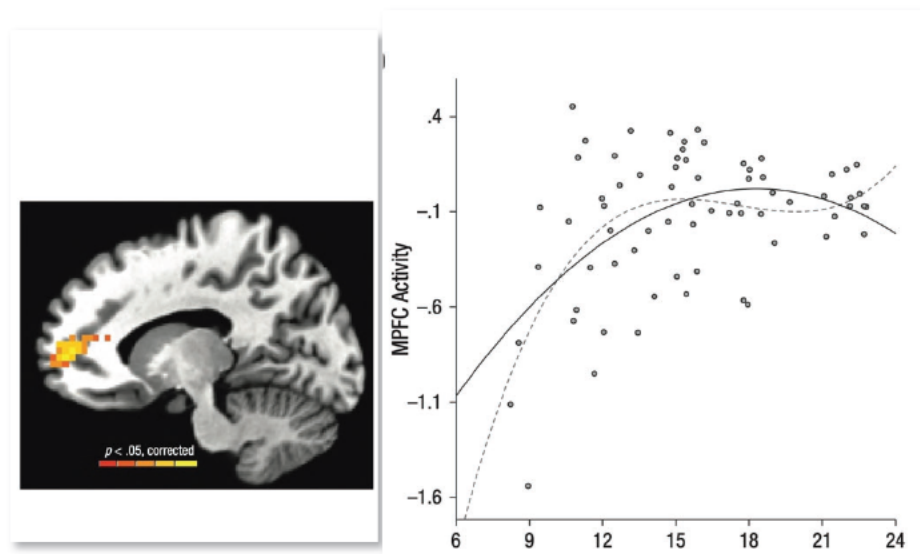


Figure note. Adolescents showed heightened activation in the mPFC when they believed they were being viewed by a peer (left image). The scatterplot (right image) shows age along the x-axis and mPFC activation along the y-axis. Each dot represents one participant in the study. The results show a curvilinear pattern, whereby children show the lowest mPFC activation, which then peaks in adolescence, before stabilizing and decreasing slightly in adulthood. (Somerville, 2013).

195. **Adolescence is a critical period for body image concerns.** During adolescence, the body undergoes major physical changes. As their bodies change, and their heightened social sensitivity and self-consciousness increases, body image concerns emerge. These changes are particularly pronounced for girls, as weight gain that often accompanies pubertal development moves girls further from societally-prescribed beauty ideals representing thinness (Markey, 2010). Because of this, adolescence marks a pivotal developmental phase when body dissatisfaction and disordered eating behaviors often emerge and escalate. By age 12, a significant proportion of boys and girls report dissatisfaction with their bodies (McLean et al., 2022), with girls experiencing particularly sharp declines in body satisfaction between the ages of 10 and 14 (Lacroix et al., 2023). Social media has been implicated as a major risk factor for the development of body image concerns, especially among adolescent girls (Choukas-Bradley et al., 2022). Indeed, meta-analytic evidence confirms that social media use is associated with greater body image disturbance, and

this association is stronger for younger samples (Saiphoo & Vahedi, 2019). As such, adolescents' high social media use has prompted numerous high-profile calls for research to prioritize body image concerns (Prabhakar & Rice, 2023).

196. **Social media and body image.** Social media differs from traditional media in many important ways that make body image especially salient (Choukas-Bradley et al., 2022). Social media is unique in that it allows youth to be creators of content, to post and comment on each other's posts around the clock. Youth can access, create, interact with, and share media constantly. The most popular social media platforms utilized by adolescents are highly visual and can be persistently accessed, meaning that adolescents have high accessibility to visual depictions of the self and others (Anderson et al., 2023; Choukas-Bradley et al., 2022; Nesi et al., 2018). Research has examined how both self-produced content and other-produced content impact body image, with the evidence identifying strong causal links.

197. **Self-produced content.** Self-produced content refers to any material that an individual creates and shares on social media, such as personal posts, selfies, videos, status updates, or stories. This content allows users to control their online identity, curate their self-presentation, and seek validation through likes, comments, and shares. Adolescents, in particular, may engage in selective self-presentation by using beauty filters, carefully crafting captions, or editing images to maximize social approval.

198. Several experimental studies have provided causal evidence that self-produced social media content impacts body image concerns. In a study with 110 young adult women, posting an unedited selfie and an edited selfie to social media both decreased feelings of physical attractiveness relative to a beauty-neutral control group (Mills et al., 2018). Another study with 120 young adult women found that compared to a beauty-neutral control, taking selfies increased

negative mood, lowered self-esteem, and increased state self-objectification, a behavior characterized by viewing the body from the perspective of an observer that is particularly pernicious for body dissatisfaction and disordered eating (Fox et al., 2021). Among 130 young women, spending more time editing a selfie increased facial dissatisfaction (Tiggemann et al., 2020). Collectively, these studies provide causal evidence that self-produced social media content negatively impacts body image, particularly when individuals engage in beauty editing practices.

199. These effects are likely enhanced by the affordance of quantifiability, in which posts can receive likes and comments to signify social approval (Nesi et al., 2018). Youth may receive instant feedback on their appearance and self-expression. Adolescents report using these metrics to understand how a particular post is viewed and may interpret receiving few likes or comments as an indicator of lack of physical attractiveness (Chua & Chang, 2016). In a study in which 337 male and female college students provided access to their own Instagram posts and comments, posts featuring the self were especially likely to receive likes and positive appearance commentary (Burnell et al., 2021). By receiving this positive feedback, adolescents may be motivated to continue to produce self-featured content. However, receiving positive appearance commentary was associated with body image concerns, including greater appearance-related social media consciousness and body surveillance (Burnell et al., 2021). Both of these constructs have been implicated in the development of more serious body image concerns and psychopathology among adolescents, including depressive symptoms, body dissatisfaction and disordered eating (Choukas-Bradley et al., 2020).

200. **Other-produced content.** Other-produced content refers to social media content that individuals are exposed to but do not create themselves, such as posts, photos, and videos shared by peers, influencers, or celebrities. This content is often highly targeted, filtered, and

idealized, presenting an unrealistic portrayal of others' lives. Adolescents, who are especially attuned to peer comparison, may internalize these polished representations, leading to feelings of inadequacy or social pressure. Exposure to other-produced content can shape perceptions of social norms, influence self-esteem, and reinforce unattainable beauty standards, leading to poor body image.

201. Numerous experimental studies have examined the effects of idealized social media content exposure on body image concerns among young men and women, with these studies consistently finding causal evidence that this exposure increases body image concerns (see (Fioravanti et al., 2022) for an in-depth meta-analysis). Studies with teens provide further evidence for these findings. Overall, adolescents who engage in greater social comparison experience poorer well-being outcomes after browsing idealized social media content (Weinstein, 2017b). An experimental study among 144 adolescent girls found that exposure to idealized Instagram photos increases body image concerns, especially for those higher in social comparison tendencies (Kleemans et al., 2016). In a study among 65 female adolescent dancers, abstaining from social media for three days reduced body surveillance and body shame (Roberts et al., 2022). Importantly, recent research suggests that text features can enhance these effects. In a large experiment featuring 613 adolescent girls and boys, viewing positive appearance-oriented social media comments increased body dissatisfaction among girls, a notable amplification effect given that appearance-oriented comments are the norm on major social media platforms such as Instagram, with adolescent girls reporting that leaving non-appearance comments is “weird” (Kvardova et al., 2023; Paddock et al., 2024).

202. **Social comparisons on social media.** Social media differs from traditional media as it represents a unique blend between celebrity culture and peer culture (Choukas-Bradley et al.,

2022). Not only are adolescents exposed to a wealth of glamorous celebrity portrayals when browsing social media, but they also have infinite social comparison opportunities with their peers, who may be both known to them (e.g., school friends) and unknown to them (e.g., friends of friends). These individuals have access to the filter and editing tools to perfectly create attractive, successful images for others to consume (Chua & Chang, 2016; Yau & Reich, 2019). Thus, the social media environment transcends the idealized comparison-evoking celebrity culture that is commonly found in traditional media (e.g., television, magazines), as adolescents are also exposed to beautiful content produced by peers. Indeed, in a rigorous intensive longitudinal study featuring 146 young adult women, engaging in upward social comparisons (i.e., perceiving that others are better off than the self) over social media was more strongly associated with poorer mood relative to making upward comparisons over traditional media (Fardouly et al., 2017).

203. Decades of social comparison research suggests that people often prefer to compare themselves to similar others (Gerber, 2017). Moreover, adolescents are especially vulnerable to engaging in social comparisons due to the classic developmental challenges that they face, including looking towards others (i.e., peers) as a way to inform identity development (Kramer et al., 2008). Because of this, social media platforms not only provide negative comparison opportunities with celebrities, but also amplify negative comparison opportunities with peers, who are powerful comparison targets. For example, among adolescent girls, the link between internalization of harmful beauty ideals (e.g., ideals surrounding thinness) and body image concerns is more strongly explained by comparing one's body to peers, compared to comparing one's body to celebrities (Carey et al., 2014).

204. As a whole, meta-analytic evidence has established that greater social comparison on social media is associated with greater body image concerns and disordered eating (Bonfanti et

al., 2024) Qualitative research suggests that adolescent girls perceive celebrities' social media posts as unrealistic and highly edited; because of this, girls generally voiced that they were less sensitive to making comparisons with celebrity targets (Burnette et al., 2017). Although girls downplayed the artificial nature of peers' social media posts as well, they were less dismissive of these targets (Burnette et al., 2017). The potency of peer comparisons is further illustrated in a study among 227 young adult women, in which greater comparisons with close friends and distant peers (but not celebrities) explained the relationship between Facebook use and body image concerns (Fardouly & Vartanian, 2015). Moreover, young women reported making the most comparisons to distant peers, significantly more so than celebrities (Fardouly & Vartanian, 2015). Nonetheless, the power of celebrity comparison remained, in that female celebrity targets were particularly likely to evoke harmful body comparisons (Fardouly & Vartanian, 2015). Although experimental research featuring both peer and celebrity targets is rare, existing evidence confirms the potent role that both peer and celebrities can play. Among 138 young adult women, exposure to peer and celebrity images both increased negative mood and body dissatisfaction relative to a beauty neutral control, with these effects explained by appearance comparison. Brown & Tiggemann (2016) found that browsing the Instagram profile of an acquaintance and browsing the Instagram profile of an Instagram influencer both reduced mood, self-esteem and self-perceptions relative to browsing one's own profile, with several effects strengthened for those who reported greater levels of the fear of missing out (a type of social comparison; (Burnell et al., 2020)).

205. **Features of Social Media.** Importantly, the features and affordances of social media can enhance the exposure to this type of content. One such affordance is the role of algorithms, in which adolescent users are targeted with material based on various proprietary factors that are believed to include demographic characteristics, geographical location, and

previous content with which a user engaged with, amongst others (Nesi et al., 2021). Young people recognize the power of these algorithms in shaping the content they view, especially on TikTok (Ramsden & Talbot, 2024). An adolescent struggling with body image may find themselves in a vicious cycle in which their social media algorithms continually feed them harmful appearance-oriented content (e.g., fitspiration videos), which may further worsen their perceptions about their body (Rousseau & Rodgers, 2025). Indeed, qualitative research with adolescents indicates that those in eating disorder recovery have difficulty restricting eating disorder-related content on social media (Sjöström et al., 2024). This is particularly the case for TikTok, where adolescents report being stuck in a “loop” in which disordered eating content is continuously delivered to them (Sjöström et al., 2024). Quantitative research with a predominantly young adult sample confirms these experiences, in which the TikTok algorithms of those with eating disorders were more likely to feed videos that were appearance-oriented, featuring dieting and exercise, and showcased toxic eating behaviors (Griffiths et al., 2024). For toxic eating behaviors, those with eating disorders were over 4,000% more likely to be fed these videos compared to those without an eating disorder (Griffiths et al., 2024).

206. An additional feature is the prominence of targeted advertisements on social media (i.e. advertisements that are served to a user based on their stated or unstated preferences or demographic variables). Unlike traditional media, it may not always be clear to a user if certain content is an advertisement (e.g., celebrities or influencers promoting a product). Experimental research examining young adult women confirms that idealized, beauty-oriented social media advertisements (e.g., advertisements to join a gym) can increase appearance comparisons and reduce body satisfaction (Kharkwal et al., 2025). Among 284 late adolescent girls, exposure to Instagram advertisements featuring thin and curvy models was associated with desire to engage in

appearance-altering practices (Ferdousi et al., 2023). Collectively, advertisements represent yet another social media feature that can perpetrate beauty ideals, which in turn can affect young people's self-perceptions and behaviors.

207. **Body image in the developing brain.** The Body Image Paradigm was designed to study combined media and peer influence effects on adolescents' body image. In the first fMRI study to examine body image concerns in adolescents, this task was used (van der Meulen et al., 2017). Adolescents are presented with images of women in bikinis and asked to make judgments on whether the woman is too thin or of normal weight. They are then shown the ostensible ratings of their peers (i.e., the peer norm). When the peer norm deviates from their own judgment, this is associated with increased activity in the dorsal anterior cingulate cortex (dACC) and bilateral insula, regions of the salience network. These effects are largest for participants with low self-esteem (see Figure below). Adolescents also changed their behavior in the direction of the peer norms – when a thin model appeared but their peers rated the models' body size as normal, participants were more likely to change their rating to indicate the model's body was normal. Thus, neural responses upon peer feedback may influence subsequent choice about ideal bodies.

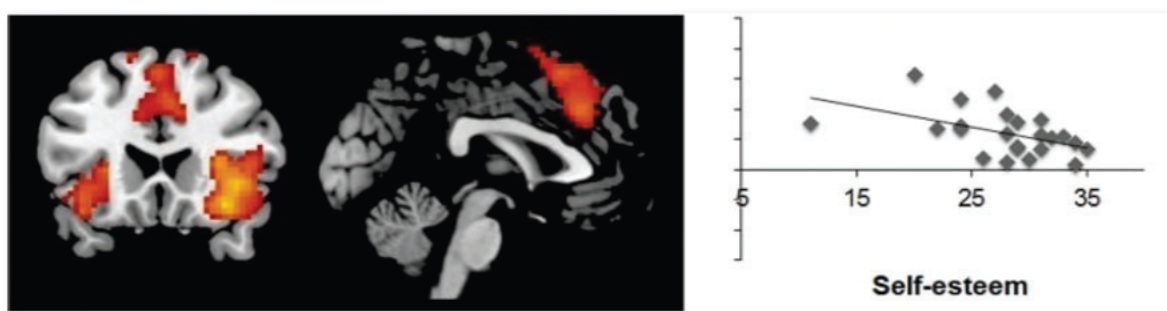


Figure note. Adolescents show increased activity in dorsal anterior cingulate cortex (dACC) and bilateral insula (left image) when making judgments about women's bodies that deviate from the peer norm. Activation in these regions is especially strong among adolescents with low self esteem (right figure). The x-axis represent self-esteem and the y-axis represents activation in the salience network of the brain when viewing women's bodies. Image from van der Meulen et al. (2017).

208. In their 2024 study, Toenders et al. (2024) explored the development of body image in adolescents aged 11 to 24, focusing on the relationship between body estimation and self-concept, as well as the associated neural correlates. The researchers employed a figure rating scale and a body dissatisfaction questionnaire to assess participants' body image over three consecutive years. Body estimation was determined by comparing participants' perceived body size to their actual body mass index (BMI). Additionally, fMRI was used to observe brain activity while participants evaluated their physical appearance traits. The study found that both body estimation and body dissatisfaction increased with age. The neural network that is involved with thinking about one's physical traits is altered for adolescents who have misperceptions about their body size (Toenders et al., 2024). In particular, adolescents who think their bodies are larger than they are show altered activation in the inferior parietal lobule (IPL; see Figure below), indicating that adolescents who perceived themselves as larger than their actual size exhibited more neural activity in regions associated with self-concept. This suggests that the neural network involved in processing physical traits is more active in individuals with body size misperceptions. This is consistent with research in women with eating disorders who show reduced activity in the IPL compared with healthy women (Vocks et al., 2010).

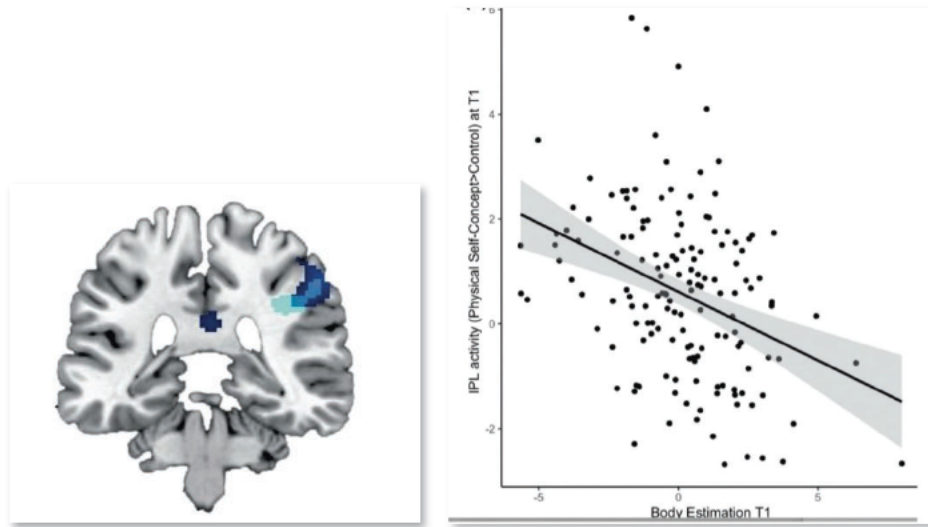


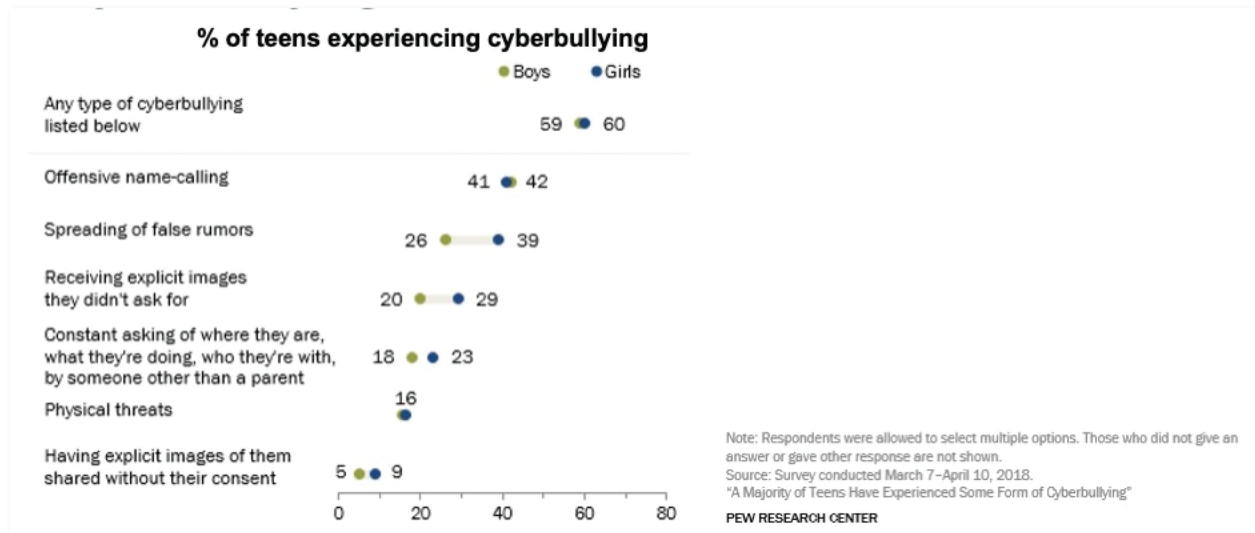
Figure note. Adolescents who think their bodies are larger than they are show altered activation in the inferior parietal lobule (IPL; left image). Right image shows the correlation between misperceptions in body estimation, such that lower scores along the x-axis represent over-estimating one's body. Those who overestimate their body more show greater activation in the IPL while participants evaluated their physical appearance traits. Image from (Toenders et al., 2024).

6. 8.2.6. Social rejection and cyberbullying

209. Adolescents are particularly sensitive to social rejection, as peer acceptance plays a crucial role in their emotional and social development. Social rejection can be profoundly painful, both emotionally and physically, which is why many cultures have metaphors for social pain that correspond to physical sensations, such as "hurt feelings" or "heartaches." This pain is not merely metaphorical—the human brain has a dedicated "social pain" network, which includes regions like the dorsal anterior cingulate cortex (dACC), known for its involvement in both physical and emotional pain. Research suggests that when individuals experience social rejection, this network is activated in a similar way to how the brain processes physical pain, indicating that social pain is not just a figurative experience, but a literal form of distress that can be as intense as physical pain (Eisenberger, 2011).

210. **Experiences of Cyberbullying among Adolescence.** Cyberbullying has emerged as a widespread and damaging form of social rejection, particularly among adolescents, who are highly sensitive to peer evaluation. Unlike traditional bullying, cyberbullying occurs in digital spaces, where harassment, threats, and social exclusion can be amplified through direct messaging, public comments, tagging, and viral sharing. Adolescents often experience persistent and inescapable online victimization, as negative interactions remain visible, can be anonymously perpetuated, and can be difficult to remove. The public and permanent nature of cyberbullying makes it particularly potent, as victims may feel that their reputation, self-worth, and peer relationships are at stake.

211. Cyberbullying is unfortunately very common among adolescents, with studies showing that a significant number of teens experience or witness online harassment. As adolescents increasingly engage with digital spaces, the prevalence of cyberbullying has grown. In a study by the PEW research center, a majority of teens report being the target of cyberbullying, with name calling and rumor spreading being the most common forms. In addition, teen boys and girls are equally likely to be bullied online overall, but girls are more likely to report rumors being spread about them and receiving explicit images they didn't ask for (see Figure).



212. Cyberbullying is fundamentally different than in-person or off-line bullying for several reasons, largely due to the unique features of social media that amplify its reach, persistence, and psychological impact. While traditional bullying typically occurs in specific social settings (e.g., schools, playgrounds), cyberbullying transcends physical boundaries, following victims into their homes and personal spaces through their devices. This makes it more difficult for adolescents to find relief from harassment, as the digital world is always accessible, and bullying can be constant and inescapable. Several unique features of social media contribute to the potency of cyberbullying:

213. **Permanence**– Unlike face-to-face bullying, where hurtful words and actions may be fleeting, cyberbullying often leaves a permanent digital footprint. Harmful posts, comments, and messages can be screenshotted, shared, and remain accessible indefinitely, making it difficult for victims to move past the experience.

214. **Anonymity**– Many social media platforms allow users to anonymously harass others without facing immediate consequences. This anonymity reduces accountability and increases disinhibition, meaning perpetrators may act more aggressively online than they would in person. Without the presence of visual social cues such as body language, or immediate reactions,

cyberbullies may be less empathetic toward their victims. The distancing effect that social media has often leads bullies to say and do crueler things compared to what is typical in a traditional face-to-face bullying

215. **Availability**— Unlike traditional bullying, which typically occurs during school hours or social interactions, cyberbullying is constant—it does not end when the school day is over. With features like direct messaging, comments, tagging, and notifications, adolescents may feel trapped in a cycle of harassment, as they are unable to escape the negative interactions, even in the safety of their own home.

216. **Virality and Amplification**— Social media allows content to spread rapidly, making cyberbullying incidents far more damaging than traditional bullying. A single harmful post, embarrassing video, or cruel comment can quickly go viral through likes, shares, and tagging, exposing the victim to an exponentially larger audience. This can lead to reputational harm, social ostracization, and long-term emotional consequences.

217. **Cue Absence**— In face-to-face interactions, people rely on nonverbal cues such as tone of voice and facial expressions to interpret meaning. Cyberbullying lacks these important social cues, making it easier for messages to be misinterpreted or escalate in severity. Victims may struggle to determine intent, and the absence of immediate feedback makes it harder to resolve conflicts effectively.

218. **Algorithmic**— Social media algorithms prioritize engagement, meaning that controversial or highly interacted-with posts—including harmful content—may be pushed to larger audiences. This can reinforce the bullying cycle, as victims might constantly see negative comments or posts in their feeds. Additionally, social media algorithms may suggest connections between victims and their bullies, further increasing exposure to harmful interactions.

219. **Invisible**– Cyberbullying may be harder for teachers, administrators, and parents to discover, because they may not have access to students’ online activities and many adults don’t have the technical skills to monitor or respond.

220. **Publicness** – Additionally, social media’s public nature means that bullying is often witnessed by large audiences, intensifying feelings of humiliation and social rejection. The impact of witnessing cyberbullying can be detrimental, not just for the victim but also for those observing the bullying. Research shows that witnessing bullying can negatively affect the emotional well-being of observers, leading to increased stress, fear, and feelings of helplessness. Adolescents who see others being bullied online may internalize feelings of social vulnerability and anxiety.

221. Because of these factors, cyberbullying is often perceived as more intense and damaging than traditional bullying. Adolescents who experience cyberbullying are at increased risk for depression, anxiety, low self-esteem, and suicidal ideation. The permanence, wide reach, and inescapability of online harassment can lead to a heightened sense of social rejection, making it difficult for victims to recover and rebuild their self-worth.

222. **Neuroscience research on cyberbullying.** One way that scientists have examined how the brain responds during online social rejection experiences is through Cyberball, an experimental task that induces feelings of peer exclusion. This task involves participants playing a game of “catch” with two other peers who are ostensibly real peers over the Internet. However, the other players are reprogrammed to either include or exclude the participant. After a round of including the participant, the 2 confederate peers stop throwing the ball to the participant. Using this procedure, Masten et al. (2009) found that adolescents who report more rejection sensitivity show greater activation in the dACC when they are excluded. Among other functions such as salience detection, the dACC also responds to physical pain. The researchers therefore concluded

that being socially rejected hurts, just as physical pain hurts. Thus, youth high in rejection sensitivity who experience rejection from their peers online may experience it as especially painful.

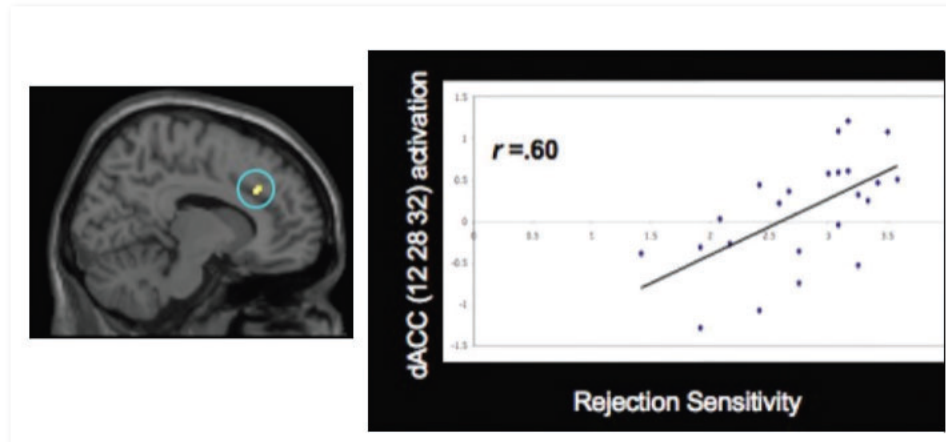


Figure note. Figure demonstrates activation in the dACC (left image) and how such activation correlates with rejection sensitivity (right image). Individuals who report higher rejection sensitivity show increased activation in the dACC when they are being socially excluded. The x-axis represents adolescents' rejection sensitivity, and the y-axis represents dACC activation when being socially excluded. Each black dot represents one participant in the study. Figure from Masten et al. (2009)

223. Importantly, some adolescents are especially at risk for experiencing heightened social pain when being rejected by their peers. For instance, in a study that examined adolescents' peer relationships longitudinally across childhood from age 6 to 12, adolescents (aged 12-15) who were chronically rejected by their peers in school across childhood show heightened dACC activity during the Cyberball task when they are being excluded by their peers (Will et al., 2016). These

findings suggest that youth who are chronically rejected by their peers in their everyday lives show greater “social pain” when they are cyberbullied as adolescents.

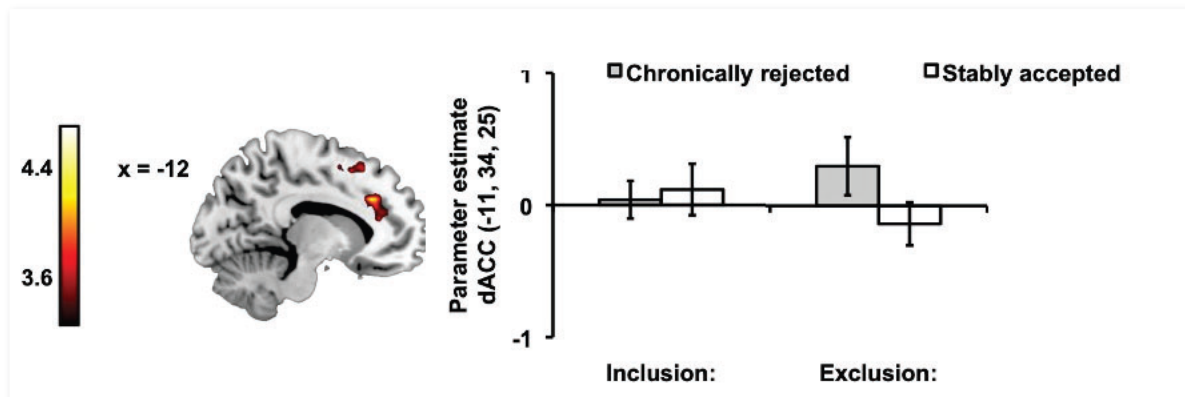


Figure Note. Dorsal anterior cingulate cortex activation (left figure) shows increases in activation for youth who have been chronically rejected when they are being excluded the Cyberball task. Right panel shows differences in dACC activation between chronically rejected (grey bars) and accepted (white bars) adolescents (Will et al., 2016).

224. Studies examining how “social pain” leads to depression have shown that greater activation in the social pain network, including the dACC, is linked to later depression, especially for at risk adolescents (i.e., those who were chronically rejected as children (Rudolph et al., 2016)). This suggests that for adolescents who have a lifetime history of being rejected by their peers, an acute instance of online peer rejection is experienced as more painful and distressing with a downstream impact on their well-being.

225. **Witnessing Cyberbullying.** Bullying does not affect just those directly involved, but it can also affect youth who witness cyberbullying. Cyberbullying is experienced both directly as the victim, but also indirectly as a witness or bystander. With in-person bullying, there are often fewer witnesses than when it takes place online, where everyone in one’s social network might witness the bullying, and where such instances can become viral. Nearly 3 times as many teens witness cyberbullying than are the target themselves (Van Cleemput et al., 2014). Perhaps not

surprisingly, most cyberbullying is occurring on social network sites, followed by short message service (SMS) and Instant messaging (IM) platforms (see Figure).

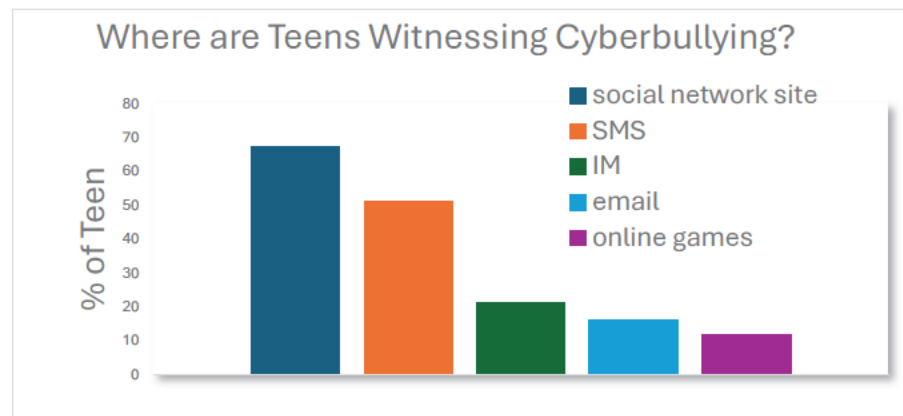


Figure note. Figure created based on data provided in (Van Cleemput et al., 2014). When asked for the technologies through which they saw cyberbullying occur, 67.4% of respondents who answered this question (N = 808) indicated that they witnessed bullying on social network sites, 51.0% indicated that they saw people being bullied through short message system (SMS), and 31.2% witnessed bullying on Instant Messaging. Other technologies were indicated less as venues for cyberbullying: e-mail (15.9%), online games (11.8%).

226. In a longitudinal study of 1,090 adolescents in the United States, witnessing cyberbullying was related to adolescents' self-report of depression and anxiety (Wright, 2018). Thus, not only is witnessing cyberbullying fairly common, but such incidents are associated with negative mood. The effects of witnessing cyberbullying on adolescents' depression are especially negative for teens who are highly empathic. Empathy involves sharing another person's emotional state as well as being able to understand the emotions when another person is distressed. Being more empathic might heighten adolescents' own feelings of distress when witnessing cyberbullying, which could impact their own psychological health. Thus, cyberbullying is bad, not only for the victim, but also for adolescents who witness it, and especially for adolescents who are very empathic.

227. So how do we measure what happens in the brain when witnessing cyberbullying?

Instead of having participants come in and play Cyberball and be subsequently excluded themselves, participants are scanned while they believe they are observing another teen being socially excluded by others. Participants are told that three individuals their age, who had previously completed the study, had volunteered to play the game via the internet during their scan. They are instructed to watch the game closely and think about what the players might be thinking or feeling. During the first round of Cyberball, participants observe all three players being included equally in the game, and during the second round they watch as one player is excluded for most of the game.

228. The researchers found greater activation in several regions of the social brain network when witnessing cyberbullying, including the mPFC, precuneus, pSTS, and the temporal poles (Masten et al., 2010). This effect was pronounced in adolescents with higher empathy. Self-reports of trait empathy were positively correlated with increased activity in the dorsal mPFC, as shown in the figure below, as well as the temporal pole. These regions of the social brain are thought to promote perspective taking – so putting yourself in someone else’s shoes and thinking about or even experiencing what they’re going through. Adolescents who report greater empathic tendencies recruit brain regions involved in taking the perspective of others when they observe them being cyberbullied. These findings suggest that more empathic individuals may be more sensitive to the thoughts of their peers, potentially taking on the distress of others. Perhaps this explains why teens high in empathy show greater depression and anxiety when they witness cyberbullying.

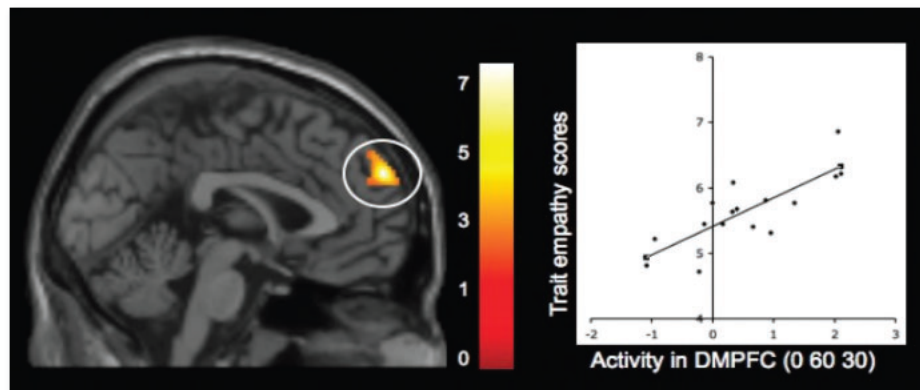


Figure Note. Activation in the dmPFC (left image) was correlated with adolescents' empathy (right image) when witnessing a peer being cyberbullied. The x-axis represents activation in the dmPFC when witnessing cyberbullying, and the y-axis represents adolescents' trait empathy. Each black dot represents one participant in the study. Image from (Masten et al., 2010)

IX. Research Methods

229. As discussed above, it is well established in the field of neuroscience that environmental factors play a crucial role in shaping brain development and function (Kolb & Whishaw, 1998; Nelson et al., 2015; Nelson & Gabard-Durnam, 2020; Galván, 2021). From experiences in the home and parenting (Miller et al., 2021; Whittle et al., 2022), to peer environments (Raufelder et al., 2021), to school settings (Rakesh et al., 2023), the brain exhibits a remarkable degree of plasticity in response to environmental experiences. In recent years, the rapid proliferation of digital technology and social media platforms has introduced a new and pervasive environmental influence. This has prompted a growing body of scientific inquiry into how these new social media environments may affect neural processes, cognitive development, and socioemotional functioning. A growing body of peer-reviewed literature (discussed earlier in this report) has documented the neural and behavioral consequences of social media experiences,

including changes in attention, emotion regulation, and social cognition (e.g., [REDACTED] et al., 2016).

230. Building on this foundational research, my own peer-reviewed publications continue this investigation on the influence of social media on the brain in adolescents. I utilize similar methods to others in the field: EMA data, longitudinal design, and fMRI, among others. The following sections on research methods and findings summarize the methodologies of these publications, as well as the principal findings, and, where relevant, I have noted specific studies from my lab throughout the discussion of this research. In addition, I offer several opinions in the following section regarding broader implications for understanding the neurocognitive consequences of social media use. These opinions are based upon both my own publications and the foundational and continued work of others in this field, as noted above. A full list of all literature considered in forming these opinions is attached to my report.

231. The research conducted in my laboratory uses a multimethod approach with rigorous methodological techniques. This multimethod approach is widely accepted and the most rigorous way to conduct scientific research. These include both objective and self-report measures of social media use, which we collect with longitudinal methods and ecological momentary assessments, which are robust tools for understanding causal mechanisms for how and why social media is linked to youth's health and adjustment. In combination with experimental designs and fMRI, my lab examines how social media experiences shape how the brain develops and how neural vulnerabilities contribute to problematic social media behaviors. In this section, I outline the methodological tools my lab uses. In the next section, I discuss our research findings.

232. The methods described below are not unique to my lab and build upon related longitudinal studies, EMA methods, fMRI, etc. As part of my report, I have provided a robust

literature list that contains examples of other studies utilizing these widely accepted methods. In addition, the methods and findings in my work below have all been published.

A. 9.1. Objective Use of Social Media

233. Built-in ScreenTime (iOS) and Digital Well-being (Android) applications can passively collect aggregated metrics (e.g., time spent on apps, frequency of checking) (Verbeij et al., 2021). We utilize the iOS platform to collect objective measures of social media use.

1. 9.1.1. Benefits of objective measures of social media

234. **Accuracy and Precision:** Objective measures such as screen time data (from devices or apps) provide accurate, quantifiable information about social media use, reducing reliance on adolescent recall and minimizing errors in reporting.

235. **Avoidance of Self-Report Biases:** Objective data on social media use behaviors can provide critical insights into what teens are doing and perceiving online, especially for behaviors that are susceptible to common self-report biases like social desirability and recall bias.

236. **Real-Time:** Objective tools allow for real-time tracking of social media use and enable researchers to observe changes over time. This can help capture trends in behavior and relate usage patterns to changes in mental health or other outcomes. By collecting objective data in real-time across days or weeks, we ensure the data are representative of the teen's daily life.

237. **Detailed Usage Data:** Many objective measures can capture specific details, such as which social media platforms are being used, duration per app, time of day, and frequency of interactions (e.g., likes, comments). This level of granularity provides insights into specific usage behaviors, offering more comprehensive data than broad self-report measures.

238. Objective measures, while precise, sometimes lack context and the nuanced experiences that adolescents have on social media platforms, as they do not capture how

adolescents feel or think about their social media use. They measure quantity (e.g., time spent) but do not reveal the emotional impact, motivation, or quality of interactions. Thus, it is essential that we compliment the objective measures with validated, gold-standard self-report measures.

B. 9.2. Subjective Use of Social Media

239. Self-report measures of social media experiences are irreplicable. Rigorously developed and validated self-report measures remain a principal method to capture cognitive and affective experiences that cannot be directly observed through objective measures. Self-report measures can capture users' motivations for using social media (Motivations for Social Media Use Scale; (Rodgers et al., 2020)), intrusive thoughts about checking social media (Online Vigilance Scale; (Reinecke et al., 2018)), online appearance concerns (Appearance-Related Social Media Consciousness Scale; (Choukas-Bradley et al., 2020)), and subjective distress about being unavailable (Digital Stress Scale; (Hall et al., 2021)) or unable to use social media (Social Media Disorder Scale; (van den Eijnden et al., 2016)).

1. 9.2.1. Benefits of subjective self-report measures of social media

240. Self-report measures allow adolescents to express their unique experiences and perceptions, which are essential when assessing digital stress or appearance concerns. These internal experiences can be challenging to observe directly, so self-reporting provides a way to capture how individuals interpret and feel about their social media usage.

241. Self-report measures are ideal for use in longitudinal studies to track changes in social media behaviors and concerns over time. This allows researchers to understand developmental patterns or the effects of changing social media environments on adolescents' mental health and behavior.

242. Self-report measures enable researchers to capture the psychological and emotional factors associated with social media use, such as self-esteem, anxiety, or body image concerns. These internal states are challenging to measure through other methods but are essential for understanding the impact of social media on adolescent development.

243. Self-report measures are widely regarded as a valid method for assessing psychological processes, grounded in established psychological theories. These measures are based on the premise that individuals have access to their own thoughts, feelings, and behaviors, making them uniquely positioned to provide insight into their internal experiences (Paulhus & Vazire, 2007). Self-reports are particularly useful for capturing subjective constructs such as emotions, attitudes, and perceptions, which are difficult to observe externally. The validity of self-report measures is supported by rigorous methodological procedures during their development. These include pilot testing, item analysis, and validation studies. Researchers use techniques such as factor analysis to ensure that the measure accurately reflects the theoretical construct it is designed to capture (Clark & Watson, 1995). Additionally, self-report instruments are often tested for reliability, including internal consistency and test-retest reliability, to confirm their stability and consistency over time. By aligning measurement design with theoretical frameworks and employing stringent validation methods, self-report measures provide a scientifically grounded approach to understanding psychological processes.

C. 9.3. Longitudinal methods

244. Longitudinal methods collect data within the same person over multiple assessments, oftentimes over years (e.g., comparing social media use in the same person at 6th grade, 7th grade, and 8th grade). In contrast, cross-sectional methods collect data at one time point and compare groups to each other (e.g., comparing social media use in a group of 6th graders

relative to a different group of 7th graders). Population methods compare trends across historical time points (e.g., comparing social media use and mental health trajectories among 6th graders from 2000 to present day 2024).

245. Longitudinal methods and cross-sectional or population-level analyses each offer unique benefits, but longitudinal studies provide several critical advantages. Longitudinal research is widely regarded as the gold standard method for understanding change over time. This method allows researchers to directly assess developmental trajectories, causal relationships, and factors that influence change, while controlling for individual differences.

1. 9.3.1. Benefits of longitudinal designs:

246. **Tracking changes over time:** Longitudinal studies follow the same individuals over an extended period, allowing researchers to observe how outcomes or behaviors change over time.

247. **Establishing temporal order:** Because longitudinal studies collect data at multiple time points, they can better establish the sequence of events. This allows researchers to infer causal relationships (e.g., does social media lead to later mental health problems?) by identifying whether changes in one variable precede changes in another.

248. **Identifying long-term effects:** Some phenomena may have delayed effects that cannot be captured in a single cross-sectional snapshot. Longitudinal analyses enable the study of delayed or cumulative impacts (e.g., how early social media experiences affect later brain development).

249. **Understanding individual trajectories:** Longitudinal designs allow researchers to examine how individuals or groups differ in their patterns of change. For example, some people may show patterns of brain development that increase in sensitivity over time, while others might

show blunted sensitivity in the brain. These trajectories of change can be mapped and understood through longitudinal data, leading to insights into resilience or vulnerability factors.

250. **Distinguishing between age effects and cohort effects:** In research on development, longitudinal designs help differentiate between age effects (changes due to aging) and cohort effects (differences that are due to a particular time period; e.g., COVID pandemic). Cross-sectional studies cannot separate these two because they compare different age groups at one point in time, which may reflect generational differences rather than true aging effects.

251. **Reducing recall bias:** Longitudinal studies often collect data closer to when events or behaviors occur. In contrast, cross-sectional studies rely on retrospective self-reports, which can be distorted by memory biases. Longitudinal data is typically more accurate in capturing how behaviors and experiences unfold in real time.

252. **Capturing both within-person and between-person variability:** Longitudinal designs allow researchers to analyze both within-person (how a person changes over time) and between-person (how people differ from each other) variability.

253. **Modeling complex processes:** Longitudinal data can accommodate advanced statistical techniques like growth curve modeling, latent trajectory analysis, or time-varying covariate models. These techniques allow researchers to model complex processes, including nonlinear patterns of change, and to account for time-varying influences.

254. Despite its many advantages, longitudinal studies present some challenges, particularly when conducting longitudinal neuroimaging, particularly because longitudinal neuroimaging studies are costly, time-consuming, and analytically complicated. Researchers must carefully manage subject retention. I have detailed the limitations and methodological considerations for developmental longitudinal fMRI research and worked tirelessly to avoid these

potential issues when possible and develop new methods to minimize these limitations (Telzer et al., 2018).

D. 9.4. Cross-sectional or population-level analyses

255. Cross-sectional analyses provide a snapshot of a population at one point in time. Because cross-sectional studies measure variables at a single point in time, they cannot be used to determine causality, track changes or developments over time, or determine the direction of relationships between variables (e.g., does social media cause poor health, or does poor health social media use?). Cross-sectional analyses are often more vulnerable to confounding variables and may suffer from cohort effects (e.g., COVID-19 pandemic) when studying development or aging.

256. However, cross-sectional analyses may be useful for identifying associations between variables (e.g., social media and depression). In addition, one benefit of cross-sectional studies is that they can compare children to adolescents and adults in a very short period of data collection, whereas longitudinal studies require many years to capture this same window.

257. Population-level analyses aggregate data across large groups, providing valuable information about broader trends and general associations. However, they can mask individual differences or temporal changes, limiting insights into how specific factors change within individuals or affect them differently over time.

E. 9.5. Ecological Momentary Assessments (EMA)

258. Ecological Momentary Assessments (also referred to as daily diaries) is an intensive longitudinal research method that collects many assessments within the same person in a “burst”. For instance, youth might complete a survey every day for 2 weeks, which results in 14

assessments within a person. Other work will collect data multiple times a day (e.g., 3 times a day) for 2 weeks, which results in up to 42 assessments within a person.

1. 9.5.1 Benefits of Ecological Momentary Assessments

259. **Real-time data collection:** EMA involves capturing data in real-world settings and in real-time (or close to it). This minimizes recall bias, which can occur when people are asked to report on past behaviors, emotions, or experiences that they may not remember accurately.

260. **Context-specific insights:** EMA allows researchers to collect data in the participant's natural environment, leading to a more nuanced understanding of how behaviors and experiences vary across contexts (e.g., on social media vs in person interactions).

261. **High temporal resolution:** EMA involves collecting frequent or repeated measures over time. This high-resolution data captures the dynamic nature of psychological and behavioral processes, such as mood and fluctuations, providing insight into short-term variability.

262. **Ecological validity:** Since EMA is conducted in participants' natural environments, it offers greater ecological validity. The data collected is more representative of participants' everyday lives.

263. **Minimized retrospection errors:** Unlike traditional retrospective self-reports, which rely on participants to recall and summarize past experiences, EMA minimizes errors from forgetting by gathering data at the moment or shortly after experiences occur.

264. Ecological Momentary Assessment (EMA) methods are considered the gold standard for capturing dynamic processes and temporal relations within a person because they involve repeated, real-time data collection in participants' natural environments. By assessing experiences and behaviors as they occur, EMA minimizes recall bias and provides a detailed picture of moment-to-moment variability. This method is particularly well-suited for examining

temporal relationships, such as how specific emotions, behaviors, or environmental factors influence each other over time. EMA's ability to capture within-person processes in ecologically valid contexts makes it an invaluable tool for studying the complexity of human experiences.

265. EMA studies present some challenges. EMA techniques collect a significant amount of data, which can make these studies more expensive and difficult to conduct. Due to the high frequency with which data are collected (e.g., 3 times a day for 2 weeks), participant burden can occur, which can result in lower compliance. In my own work, we include incentives, structured reminders, and ongoing contact with participants to increase compliance and have been very successful, with compliance rates around 70% on average, with half the sample completing at least 80% of the EMAs (i.e., over 33 EMAs per person) (Garrett, Burnell, Armstrong-Carter, Prinstein, et al., 2023). This is the gold standard compliance rate and is consistent with meta-analyses of EMA studies across children and adolescent samples (Jones et al., 2019; Wen et al., 2017). I have detailed the limitations and methodological considerations of EMA methods in my research and have implemented every recommended strategy to avoid these potential issues when possible.

F. 9.6. Within-Person Analyses

266. Longitudinal designs and EMA methods provide the ability to examine within-person changes. Within-person analyses focus on individual-level processes and how factors vary over time within each person, providing a more dynamic understanding of behavior and mental health outcomes. This stands in contrast to between-person analyses, which look at differences *across* individuals, identifying factors that predict variability *between* people (e.g., why one person might be more stressed than another). While between-person analysis helps generalize findings to

broader populations, it often overlooks the nuances of how experiences change within a single individual over time.

1. 9.6.1 Benefits of within-person analyses:

267. **Understanding variability within individuals:** Within-person analyses focus on changes that occur over time within the same individual, rather than comparing individuals to each other. This allows researchers to identify factors that predict moment-to-moment or day-to-day fluctuations in behaviors, emotions, or symptoms.

268. **Capturing dynamic processes:** Many psychological and behavioral phenomena are dynamic and change over time. For instance, someone's mood may vary significantly throughout the day or in response to specific triggers (e.g., being on social media). Within-person analyses help in understanding how these processes evolve and what factors influence them at the individual level.

269. **Reducing between-person confounds:** In traditional between-person analyses, individual differences (e.g., personality traits; psychopathology) can confound results. By contrast, within-person analyses control for these stable individual differences, allowing for a cleaner investigation of how momentary factors influence outcomes. For instance, some may question whether depressed individuals use social media more. Within person analyses allow us to control for this, as we are not comparing depressed to non-depressed individuals, but rather, we are comparing each person to their own average (i.e., in moments where youth use social media more than their own average, does their depressed mood go up in that moment relative to moments they used social media use?).

G. 9.7. Experimental Task Designs with fMRI

270. Experimental designs in fMRI research involve systematically manipulating variables to observe their effects on behavioral responses and brain activity. Experiments are created by designing tasks with different conditions that manipulate a construct of interest. This approach allows researchers to explore causal relationships between specific experimental conditions and neural activation patterns. Researchers present participants with carefully controlled stimuli that simulate social experiences. The stimuli are manipulated to create specific conditions of interest. Examples include social inclusion vs. exclusion, which is simulated through paradigms like Cyberball (a virtual ball-tossing game) and feedback valence, whereby participants receive positive vs. negative feedback about their social behavior (Williams et al., 2000). Functional MRI measures brain activity during these manipulations. Alongside brain imaging, behavioral metrics (e.g., reaction times, choices) are collected. I have written about methodological approaches to experimental task design, particularly for longitudinal fMRI research, as well as in interpreting results of longitudinal effects that may be confounded with learning effects (McCormick et al., 2021; Telzer et al., 2018).

1. 9.7.1 Benefits of Experimental Designs in fMRI Research

271. **Causal Inference:** Experimental designs enable researchers to draw stronger conclusions about causal relationships between manipulated social experiences and brain activity.

272. **High Control:** By controlling variables, researchers can isolate specific constructs of interest (e.g., effects of rejection) and reduce confounding influences.

273. **Flexibility in Task Design:** Paradigms can be tailored to investigate diverse aspects of social experiences, such as social rejection, reward sensitivity, executive control.

274. **Linking Brain and Behavior:** Experimental fMRI studies allow researchers to connect neural patterns with psychological processes and observable behaviors.

X. Research Sample

275. The racial and socioeconomic diversity of research samples is extremely important. As I have written about extensively, much prior neuroscience research has included a disproportionately high representation of White, affluent youth, making much of the prior research less generalizable to the population (Qu et al., 2021). Research that is conducted among these wealthier, more homogenous samples are referred to as WEIRD (Western, Educated, Industrialized, Rich, and Democratic), and the field has argued for incorporating diverse populations in order to better understand how the brain develops across social and cultural contexts (Garcini et al., 2022). Representative and random sampling is the hallmark of unbiased science with human subjects and is essential for research because it ensures that the findings can be generalized to the broader population with a high degree of confidence (Nketia et al., 2021). This alignment between the sample and population allows researchers to make conclusions that are applicable beyond the individuals in the study, enhancing the relevance and impact of the research. Representative samples help reduce selection bias, where certain groups may be overrepresented or underrepresented. Bias can distort findings and lead to incorrect or skewed interpretations. Finally, with representative samples, researchers can better predict how interventions, treatments, or policy changes might work on a larger scale. Because our sample represents a large range in family structure, with diversity of socioeconomic statuses, and racial group membership that is representative of the increasingly diverse population of the United States, research findings from this study can be extrapolated to the general population.

276. Recruiting ‘hard-to-reach’ underrepresented groups is a challenge. We overcame this challenge using gold-standard approaches, including engaging in community-based research, reducing barriers to participation for families with time and mobility constraints and language difficulties, and creating strong and positive relationships with the participants, and providing incentives for participating (Murray & Xie, 2024). We detail each of these approaches below.

277. **Community based research.** We engaged in community-based research by establishing a partnership with a low-resourced community over an hour from UNC. Representative sampling involves serious investment in time and resources and local research-community partnerships (Bonevski et al., 2014). Our team has a 20-year relationship with the school district, and throughout the study we provided resources to the schools who participated, gave talks to the schools, and worked closely with the families throughout the study period. Through this close participatory approach, we were able to recruit a representative sample.

278. **Reducing barriers to participation.** Time and mobility constraints and language difficulties are common barriers to participation. Our sample was about one third Latinx, with the majority being Spanish speaking. Therefore, we translated all materials into Spanish and had full time Spanish speaking research staff. Many of the families also had difficulties participating due to childcare or transportation. We therefore provided childcare and transportation to any family in need. Moreover, if participants moved out of state, we paid for their travel to return for the visit each year. Finally, given adolescents’ school schedules and afterschool activities, and parents’ busy work schedules, we provided lots of flexibility in scheduling, including daytime, evenings, and weekends, to allow for participation anytime families could fit in a visit.

279. **Relationship building and incentives to increase retention.** Retention is key for longitudinal research. Low-resourced, stressed families are the most likely to drop out of research.

When retention is low, and those who drop out are not representative of the sample, conclusions drawn about longitudinal changes may be biased. We maintained high retention throughout the study through the use of financial incentives and retention strategies. Participants were given financial incentives for attending each visit and compensation for gas and parking fees, a meal was provided for the whole family at the visit, as well as childcare for families bringing young children. Adolescent participants also received a “prize bag” after each visit, with small gifts. In addition to financial incentives, we used an array of other retention strategies, which have proven successful within my lab for the past 15 years. These included (1) frequent contact with participants throughout the year (e.g., birthday cards, holiday cards, newsletters); (2) extensive discussion at study outset regarding the importance of the longitudinal follow-up; and (3) collection of contact information from close friends/relatives in the event that we lose contact with the family.

Sample Description

280. Using the methods described above, we recruited a highly diverse and nationally representative sample of participants. This cohort, described below in detail, is the sample used in the published and ongoing papers described in the research findings section of this report, below.

My collaborators and I have been collecting data from a rural, lower socioeconomic status (SES) North Carolina school district. With a 20-year relationship with the school district, we were able to collect school-wide data from all middle schools in the entire school district (over 900 youth in grades 6 and 7). Starting in 2016, we followed the same sample of youth longitudinally for 4 years within the schools. In addition to the 900 youth within the schools, a subsample of 178 adolescents was recruited to come to the UNC Chapel Hill campus for intensive annual assessments that included an fMRI scan. This subsample was followed longitudinally for 6 waves

of data collection, spanning 2016-2024. In waves 4-6, these adolescents also completed EMAs and provided objective and subjective reports of their social media use across 14 days.

281. The sample is racially and socioeconomically diverse, representing the U.S., national population. 50% of the sample was female. In terms of race, the sample was 38% white, 33% Hispanic/Latino/a/e, 21% Black/African American, 5% Multiracial, 1% American Indian, and 0.4% Asian/Asian American. The socioeconomic and household structure of the sample is detailed in the Table below.

Variable	Percent of sample
Annual family income	
\$0–\$29,999	31%
\$30–\$59,999	33%
\$60–\$99,999	24%
\$100,000 +	10%
Primary caregiver education	
Less than high school	26%
High school diploma	15%
Some college	29%
College degree	22%
Graduate school and beyond	7%
Secondary caregiver education	
Less than high school	29%
High school diploma	23%
Some college	13%
College degree	15%
Graduate school and beyond	5%
Household structure	
Living with both biological parents	48%
Biological mother only	24%
Biological mother and stepfather	20%
Biological father	3%
Biological father and stepmother	1%
Other (extended family, joint custody)	3%
Number of siblings at home	
0	11%
1	29%
2-3	46%
4+	12%
Parental marital status	
Married, first marriage	43%
Remarried	15%
Single	15%
Divorced/separated	13%
Living with significant other	10%
Widowed	3%

Table Note. Totals that do not add up to 100% indicate missing data for that variable. Some response categories were collapsed for parsimony.

XI. Research Findings

A. 11.1. Frequency of social media use

282. Based on both objective and subjective social media use, it is clear that social media is omnipresent in adolescents' daily lives. They are spending hours a day on social media, receiving hundreds of notifications, and constantly checking their phones for updates on their social media accounts. These stats are detailed below. Note that the measures were collected over many waves of data collection, starting in 2016 when the cohort was 12 years old on average, to 2021 when the cohort was 16.48 years on average.

Objectively collected social media use

283. For 14 days, adolescents provide screenshots of their smartphone usage, which depicts the total amount of time spent on their smartphone, and the top three categories of app usage. Data are extracted from the "Social" category, which includes social media apps such as Facebook, Instagram, TikTok, and Snapchat. Participants also provide screenshots of their notifications and pickups each day. Data were collected in 2020, when adolescents were 15.94 years old on average. Overall, 173 participants provided usable screenshot data. An additional 37 adolescents could not provide data because they had Android devices, which at the time of data collection did not have a way to obtain objective measures of phone use. Thus, of the 215 adolescents who participated in the two-week period in which screenshots were submitted, 83% were iPhone users and 17% were Android users. One year later, in 2021, participants completed the same methods. Overall, 71 participants provided usable screenshot data. An additional 8 adolescents had an iPhone but did not provide usable data. An additional 16 adolescents could not provide data because they had Android devices (again, 83% were iPhone users).

284. **Top apps used.** We can determine the apps adolescents first used after a pickup. Across participants, the first app used after a pickup was Snapchat, with Snapchat the top app used 49% of the time, followed by Instagram (13%), Messages (12%), TikTok (7%), Safari (4%), and YouTube (3%) (Nesi, Burnell, et al., in press). From the same cohort one year later, screenshots depicted the participants' top three most heavily used apps in a day. Across all days with data, TikTok (65% of days), Snapchat (40%), and Instagram (32%) were observed in the top three most heavily used apps (Burnell et al., 2025). This differs from the above statistic which is showing the first app that is used upon picking up the phone. This instead represents the most used apps across the 2 week study period.

285. **Daily time spent on social media.** On average, adolescents spent 3.4 hours per day on social media, with some teens spending upwards of 16 hours per day on social media (Haag et al., under review)²⁰. Screenshots also depicted the participant's top three most heavily used apps in a day. Across participants and days, the apps with the most total minutes of time were TikTok, Snapchat, and Instagram (Haag et al., under review). Average daily use of these apps were 2.14 hours for Instagram, 2.72 hours for TikTok, and 1.9 hours for Snapchat. Some teens spent considerable time on these apps each day, spending up to 11.6 hours on Instagram, 14.9 hours on TikTok, and 13 hours on Snapchat (Haag et al., under review).

286. **Daily notifications from social media.** On average, participants received many notifications per day across the 14 days of the study ($M = 207/\text{day}$), with some teens receiving upwards of 3199 notifications per day (Haag et al., under review). The apps with the most total

²⁰ Haag, A.C., Nick, E.A., Nelson, B.W., Garrett, S.L. Fox, K.A., Telzer, E.H., & Prinstein, M.J. Teens on screens: A daily diary study of objectively-measured smartphone use, social media activity and associations with mood. Preprint shared, which shows all the statistics reported here.

notifications were Snapchat and Instagram. Average daily notifications for these apps ranged from 56.9 for Instagram to 111.39 for Snapchat (Haag et al., under review).

287. **Daily pickups.** On average, participants picked up and checked their phones over 100 times per day ($M = 112.42$), with some teens checking upwards of 500 times a day (Haag et al., under review). The phone logs the first app that is used when picking up their phone. Participants used Snapchat and Instagram most frequently after picking up their phones. Average daily pickups for these apps ranged from 14.21 for Instagram to 36.05 for Snapchat (Haag et al., under review).

288. Together, these findings provide unequivocal evidence for the pervasive nature of social media in adolescents' daily lives, demonstrating that many teens are attached to their phones around the clock, constantly checking for updates and engaging with social media content. The fact that some adolescents spend upwards of 16 hours per day on social media and check their phones over 500 times daily suggests a compulsive pattern of use, making it difficult for them to disengage. This is particularly relevant given excessive pick-ups and time spent on social media has been replicated by numerous studies discussed elsewhere in this report. This level of intensive engagement is undoubtedly excessive and raises concerns about the impact on their mental health, sleep, school engagement, and real-world social interactions.

Subjectively reported social media use

289. **Daily Self-Reported Social Media Use.** Across 14 days, adolescents completed an EMA. These data were collected in 2021 when adolescents were 16.48 years on average. In the morning, participants self-reported the amount of time that they believed they spent on social media the previous day. Responses ranged from 1 (None) to 14 (12 or more hours). Participants were asked about previous day social media use to account for potential late-night use that evening

surveys would fail to capture. On average, participants reported spending 4 hours on social media a day, averaged across all days (Burnell et al., 2025). This average is identical to that obtained using the objective measures.

B. 11.2. Habitual social media checking

290. Constantly checking social media is often referred to as habitual social media behavior, characterized by automatic, frequent, and constant engagement with social media platforms. To capture this behavior, we asked adolescents to report on the frequency with which they check social media. For 3 of the most popular social media platforms at the time (Facebook, Instagram, and Snapchat), participants were asked how many times per day they checked each platform, with answers grouped into 8 numerical score categories (from less than 1 to 20 times per day). Data were collected in 2016 when participants were in the 6th and 7th grade (average age of 12.8 years). We recoded participants' scores to create an ordinal scale that captured social media checking frequency across a meaningful distribution that could be assessed quantitatively. Reported scores of 8 (i.e., checked >20 times per day) were recoded to 20 times checked. For each participant, the recoded checking behaviors on the 3 social media platforms were summed to create a total social media checking score that ranged from 0 to 54. On average, adolescents self-reported that they checked social media across all platforms 11.85 times per day on average, checking Facebook 1.17 times, Instagram 5.7 times, and Snapchat 4.9 times per day on average (Maza et al., 2023). It should be noted that these averages, however, are artificially low. As part of the measure, the scale went from "less than once per day" to "20 plus times per day" at the highest. Because of this limitation, significantly higher pick-ups were not included. If this measure had included higher response options, then the averages would have significantly increased as well.

291. Habitual social media use can be indicative of *problematic social media use* in adolescence, as it may reflect difficulties in self-regulation, excessive preoccupation with online interactions, and a heightened focus on attaining immediate rewards (e.g., receiving likes), sometimes at the cost of long-term benefits (e.g., sleeping or engaging in school work).

C. 11.3. Problematic social media use

292. In the literature, *problematic social media use (PSMU)* is characterized by excessive, compulsive, and poorly regulated engagement with social media that interferes with daily functioning and well-being. It shares features with behavioral addictions, including substance use addiction. In order to understand the rate of problematic social media use in our cohort of adolescents, we adapted items from the Diagnostic Statistical Manual (DSM-5; American Psychiatric Association, 2013) substance use disorder checklist, whereby we replaced the wording for substance use with social media use (see Table; (Burnell et al., 2025)). Data were collected in 2021 when adolescents were 16.48 years on average. Symptoms on this scale were referred to as “addiction-like social media use” in the publications and referred herein as problematic social media use. 85% of participants reported that they “sometimes” or “often” spent more time on social media than intended, whereas 52% reported that they “sometimes” or “often” missed social media when not using it, to the point of interfering with day-to-day activities. Girls scored significantly higher than boys on problematic social media use (Burnell et al., 2025).

293. These statistics provide evidence that a high proportion of adolescents are experiencing problematic social media use. The majority of adolescents are indicating that they spend so much time on social media that it interferes with their daily activities. Moreover, about one-third of adolescents report levels in the severe range. This is concerning due to its potential negative effects on mental health, sleep, and overall well-being. Research indicates that PSMU is

associated with increased levels of anxiety, depression, and psychological distress (Shannon et al., 2022). In a study across 29 countries, adolescents who engaged in problematic social media use had worse well-being (e.g., lower life satisfaction), poorer school engagement, and worse social well-being (Boer, van den Eijnden, et al., 2020). These findings suggest that high rates of PSMU among adolescents could contribute to long-term negative developmental outcomes across all domains of functioning.

	Moderate endorsement	Severe endorsement
1. Do you ever feel like you spend more time on social media than you intended?	52%	33%
2. Have you ever tried to spend time away from social media, but couldn't do it?	41%	20%
3. Do you ever expend extra effort to make sure you will continue to have access to social media at times when you otherwise may not be able to use it?	47%	18%
4. Do you ever have a craving or strong desire to use social media?	41%	22%
5. Does social media use ever get in the way of things you are supposed to be doing (sleep, exercise, school work)?	39%	30%
6. Do you ever use social media even after you realized that it was getting in the way of what you thought was best for you?	38%	29%
7. Have you ever been away from social media and felt like you were missing it too much to engage in normal day to day activities?	37%	15%

Table Note. Percent of teens reporting symptoms of problematic social media use (Burnell et al., 2025).

D. 11.4. Neural Vulnerabilities for Problematic Social Media Use and Depression

294. As described above, a majority of adolescents report experiencing problematic social media use, ranging from spending more time on social media than they intended, to craving social media, to social media getting in the way of their daily activities. Not all adolescents are equally prone to develop problematic social media use (Fassi et al., 2025). Those who do may have individual predispositions, including possible biological vulnerabilities that increase sensitivity to social media cues. Specifically, adolescents who are more sensitive to social rewards may be

particularly likely to seek out social media incentives and thus may also be more susceptible to the provocation of continued use. Thus, we sought to examine neural vulnerabilities that may explain which adolescents develop problematic social media use, building upon the publications of others that suggest vulnerable adolescents are more susceptible to harm.

295. In this study, we conducted longitudinal analyses, examining how the brain develops across puberty, and whether developmental changes in the brain predict which adolescents are most vulnerable to develop problematic social media use and subsequent depression (Flannery et al., 2024). Across 3 years, starting in 2016 when adolescents were approximately 12 years old, participants came into the lab to undergo an fMRI scan. During the fMRI scan, we took images of their brain as they completed an experimental task during which adolescents received social reward and social punishment feedback from peers. This allowed us to examine longitudinal changes in how the brain processes social rewards and punishments. We followed adolescents annually across puberty and had them complete the same fMRI scan 3 times longitudinally. Two years following the final fMRI scan (in 2021, when adolescents were 16.4 years on average), adolescents completed self-report measures of problematic social media use (described above) as well as self-reported depression.

296. Our findings show that decreases in how the brain responds to social feedback over the course of puberty is associated with the likelihood of developing problematic social media use. As shown in the Figure below, adolescents reporting non-problematic social media use (shown by the blue line) displayed relatively lower responsivity in the brain to social feedback before puberty onset that increased with pubertal development. In contrast, adolescents who developed high problematic social media use (shown by the red line) displayed hyper-responsivity in the brain before puberty onset that decreased across pubertal development (Flannery et al., 2024).

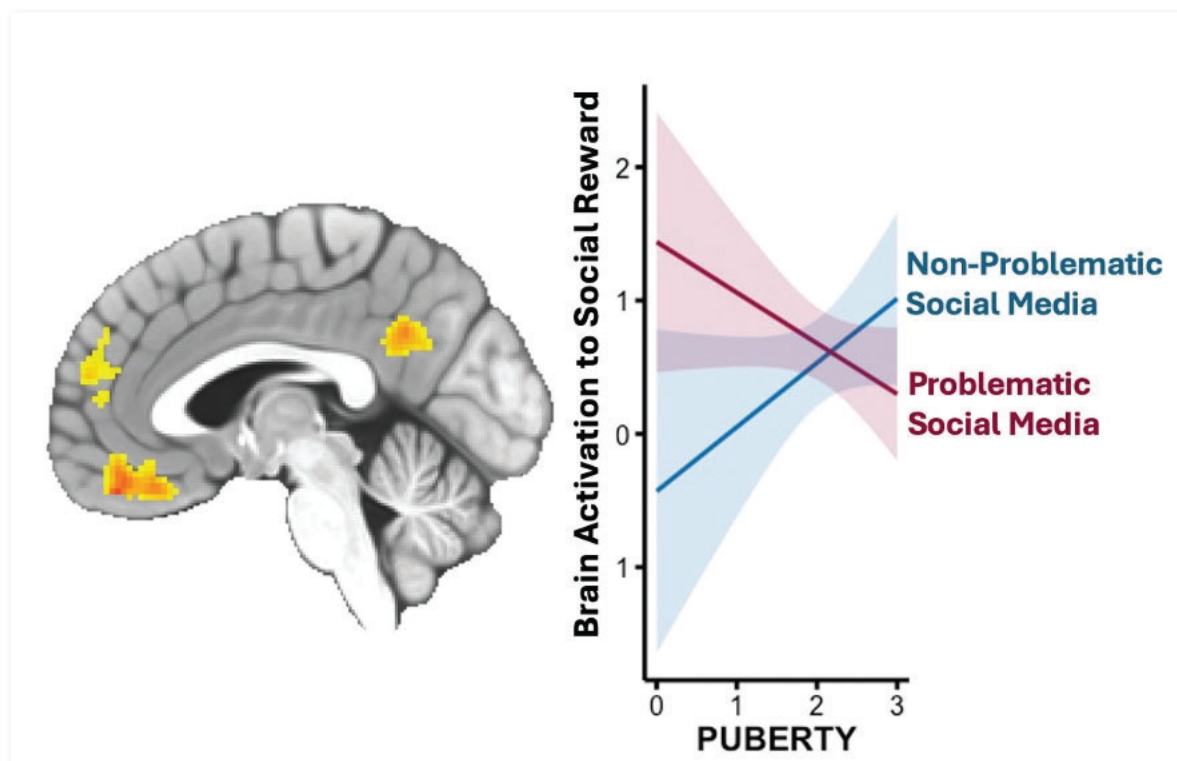


Figure note. Changes in social feedback brain responsivity across puberty linked to problematic social media use. Adolescents reporting non-problematic social media use (blue line) displayed relatively lower responsivity to positive social feedback before puberty onset that increased with pubertal development, whereas adolescents reporting high problematic social media use (red line) displayed hyper-responsivity before puberty onset that decreased with pubertal development. Image from (Flannery et al., 2024)

297. An initial hypersensitivity to social rewards (i.e., elevations in neural social feedback) may drive adolescents to increase their social media use. These adolescents with premature elevations in neural social feedback sensitivity may initially be more sensitive to the delivery of social feedback via social media. However, recurrent over-exposure to social rewards via social media may, in turn, contribute to desensitization to social rewards across development. This decrease may reflect desensitization to rewarding social feedback and a need for more social reward exposure to get the same reinforcing effects. This hypothesis is based on prior observations of tolerance-build up after repeated administrations of an addictive drug (Miller et al., 1987).

298. Increased problematic social media use was also linked to subsequent increases in depression, but only for girls and not boys (Flannery et al., 2024). This finding corresponds with prior work indicating higher social media use at age 10 is associated with declines in well-being into early and mid-adolescence for girls but not for boys (Booker et al., 2018).

299. These findings provide strong evidence that neurobiologically vulnerable youth are at heightened risk for developing problematic social media use, and especially for girls, this leads to higher rates of depression. These findings are critical for understanding who is most at risk for developing problematic social media behaviors. Identifying that neurobiologically vulnerable youth, particularly those with disrupted reward circuits, are more prone to problematic social media use highlights the role of underlying brain mechanisms in driving compulsive engagement. The similarity to substance use addiction suggests that some adolescents may be more biologically predisposed to the reinforcing effects of social media, making it harder for them to regulate their use and disengage, contributing to depression for girls.

E. 11.5. Daily Social Media Use and Mood

300. The literature documenting the relationship between social media and internalizing symptoms and mood is robust (e.g., Allcott et al., 2025), with EMA a widely used and accepted rigorous methodological approach to examine this link (e.g., Boyd et al., 2024; Politte-Corn et al., 2024) and is cited throughout this report and in my materials considered list. Building upon this work, my lab explored the relationship between objectively recorded social media use and depressive affect (Burnell et al, 2025). This publication is summarized below.

301. In 2021, when adolescents were 16.4 years on average, we collected subjective and objective measures of social media use. Self-reported social media use was not associated with subjective well-being. However, objectively-recorded social media use was associated with greater

depressive negative affect. In particular, when an adolescent used more social media than their own average, they also reported greater depressive negative affect (Burnell et al., 2025). In other words, on days when adolescents increased their social media use relative to their normal level, their depression subsequently increased on that day. On days when adolescents decreased their social media use relative to their normal level, their depression subsequently decreased on that day.

302. These findings provide evidence that social media use causes depressed mood, and disengaging from social media improves adolescents' mental health. We can be confident in these findings for the following reasons:

303. Because these are within person analyses, we are controlling for stable individual differences or variables that may differ between people. By comparing each adolescent's social media use and mood against their own baseline, within-person analyses help control for individual differences that could confound results. Factors like personality, baseline mood, or overall screen time habits vary widely between people and can skew between-person analyses, making it hard to isolate the effect of social media use on mood. Within-person EMA sidesteps this issue by examining each individual's unique patterns, allowing researchers to see how deviations in social media use directly relate to changes in their mood.

304. EMA methods involve repeated assessments over short intervals, providing temporally linked data that allow researchers to observe changes in real time. When increases in social media use are associated with a subsequent rise in depressive negative affect within the same person, it suggests a closer temporal relationship between the two. This proximity strengthens the plausibility of a causal connection, as it becomes easier to infer that increased social media use

may contribute to mood changes, rather than the mood changes simply reflecting preexisting differences.

305. Because within-person designs measure changes relative to each individual's baseline, they are less vulnerable to response biases, such as social desirability or habitual underreporting, that can distort between-person analyses. Adolescents might differ in their tendency to report depressive symptoms or social media use levels, but comparing each adolescent against their own average reduces these biases, offering a clearer picture of the relationship between social media use and mood.

F. 11.6. Daily Social Media Use, Social Comparisons, and Self Esteem

306. Adolescence marks a pivotal developmental phase when body dissatisfaction and disordered eating behaviors often emerge and escalate, and social media is a primary contributor to adolescents' negative body image (Choukas-Bradley et al., 2022). The features of social media platforms make it a ripe context for engaging in social comparisons. Social media platforms are uniquely designed to foster social comparison, as they provide constant exposure to idealized portrayals of others' lives. Features such as likes, comments, follower counts, and algorithm-driven feeds prioritize content that garners high engagement, making it easy for adolescents to compare their own popularity, appearance, and achievements to those of their peers (Nesi & Prinstein, 2015). The ability to edit and filter images further enhances these comparisons, as users often present an unrealistic version of themselves, contributing to upward social comparisons that can lower self-esteem (Chou & Edge, 2012). Additionally, real-time metrics (e.g., view counts, story interactions) provide immediate feedback on social status, reinforcing the cycle of comparison and validation-seeking. Because adolescents are particularly sensitive to peer evaluation, social media creates a ripe environment for engaging in frequent, often detrimental,

social comparisons (Somerville, 2013). Although studies have established long-term negative associations between social comparison on social media and well-being, we know little about how social media experiences impact self-esteem in the moments that they occur (Frison & Eggermont, 2016). We examined how engaging in social media social comparisons relates to changes in self-esteem during a 14-day ecological momentary assessment (EMA) study. The data were collected in 2021 when adolescents were 16.4 years on average. We found that upward social comparisons on social media use detrimentally impacted adolescents' self-esteem (Burnell, Trekels, et al., 2024). When adolescents engaged in upward social comparisons, they subsequently reported declines in their self-esteem. These findings show that in the moment that adolescents compare their lives to others on social media, their self-esteem decreases in that moment when they feel their life is worse than others.

G. 11.7. Adolescent Sleep

307. Adolescents today are experiencing a widespread sleep deprivation crisis, with the majority failing to meet recommended sleep guidelines. The American Academy of Sleep Medicine recommends that middle schoolers sleep 9–12 hours per night and high schoolers 8–10 hours per night for optimal health. However, adolescent sleep health is notoriously poor, with nearly all adolescents getting insufficient sleep (Keyes et al., 2015). This chronic sleep deprivation is driven by a combination of biological and environmental factors, including delayed circadian rhythms that naturally shift adolescents toward later sleep times, early school start times that force them to wake up before their bodies are ready, and the pervasive use of electronic devices, particularly social media, before bed (Brautsch et al., 2023; Crowley et al., 2018).

308. Insufficient sleep during adolescence has been linked to numerous negative outcomes. For instance, poor sleep is linked to both short-term consequences like harmful risk-

taking behavior, mood disturbances such as depression, reduced executive functioning, poorer academic performance, and substance use, and long-term consequences like cardiovascular effects, metabolic disorders, cancer, and suicidality (Medic et al., 2017; Owens & Weiss, 2017). Sleep is critical for adolescent neural development, mental well being, and physical health, especially during a period where key developmental tasks may be jeopardized due to sleep disruptions (Brand & Kirov, 2011; Tarokh et al., 2016).

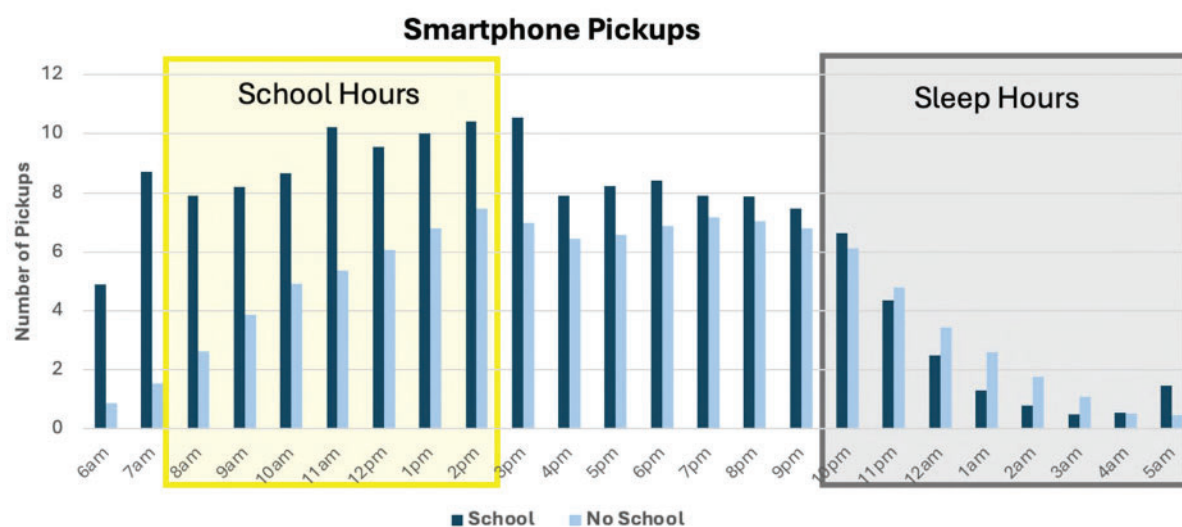
309. With 60% of adolescents reporting that they use their smartphones an hour before bed and 29% reporting that they sleep with their smartphone in bed, social media use may exacerbate sleep disruptions and may be a cause for insufficient sleep (Hysing et al., 2015; Rideout & Robb, 2019).

Links between Social Media and Sleep

310. There's a fulsome body of literature recognizing the deleterious effects of media and social media use on adolescent sleep. While these publications utilize numerous methods, a growing number of studies have utilized objective measures of sleep (e.g., commercial wearable devices; George et al., 2019), but few have paired these assessments with objective measures of digital technology use. Wearable sleep trackers (e.g., Fitbits) have been found to measure sleep duration just as well as actigraphy, and wearable sleep-trackers are comparable to polysomnography for assessing sleep sensitivity (Haghighy et al., 2019; Lee et al., 2023). Thus, we collected objective measures of sleep, obtained via Fitbits, across 14 days. We paired the sleep data obtained via the Fitbits with objective measures of smartphone use, obtained via 14 days of screenshots (described above). By collecting data each day for 14 days, we obtain very rich data within participants. Within-person associations can capture if an adolescent with greater smartphone use on a given day, relative to their own average, has poorer sleep outcomes that night.

This method is particularly rigorous in that it controls for between-person differences and potential confounding factors. Thus, data regarding nighttime phone use from our research sample previously discussed and published on, as well as the overall literature recognizing the relationship between social media use and adolescent sleep, supports my opinion that social media use has negative impacts on and contributes to a loss in adolescent sleep.

311. **Nighttime smartphone use in our sample.** In 2021 when adolescents were 16.48 years on average, we collected objective measures of smartphone use, as well as objective measures of sleep. According to their Fitbits, participants' average sleep onset was 1:29am. On an average day, daytime (hours 6am – 8pm) screentime use 5.2 hours, ranging from 0 minutes to 13.2 hours, and nighttime (8pm – 6am) screentime use was 3.83 hours ranging from 0 minutes to 10 hours (Burnell, Garrett, et al., 2024). On an average day, adolescents picked up their phones 92.75 times during daytime (hours 6am – 8pm), ranging from 0 times to 383 times, and 32.89 times during nighttime (8pm – 6am), ranging from 0 times to 221 times. On an average day, adolescents received 117.9 notifications during daytime (hours 6am – 8pm), ranging from 0 to 687 notification, and 57.29 notifications during nighttime (8pm – 6am), ranging from 0 to 247 notifications.



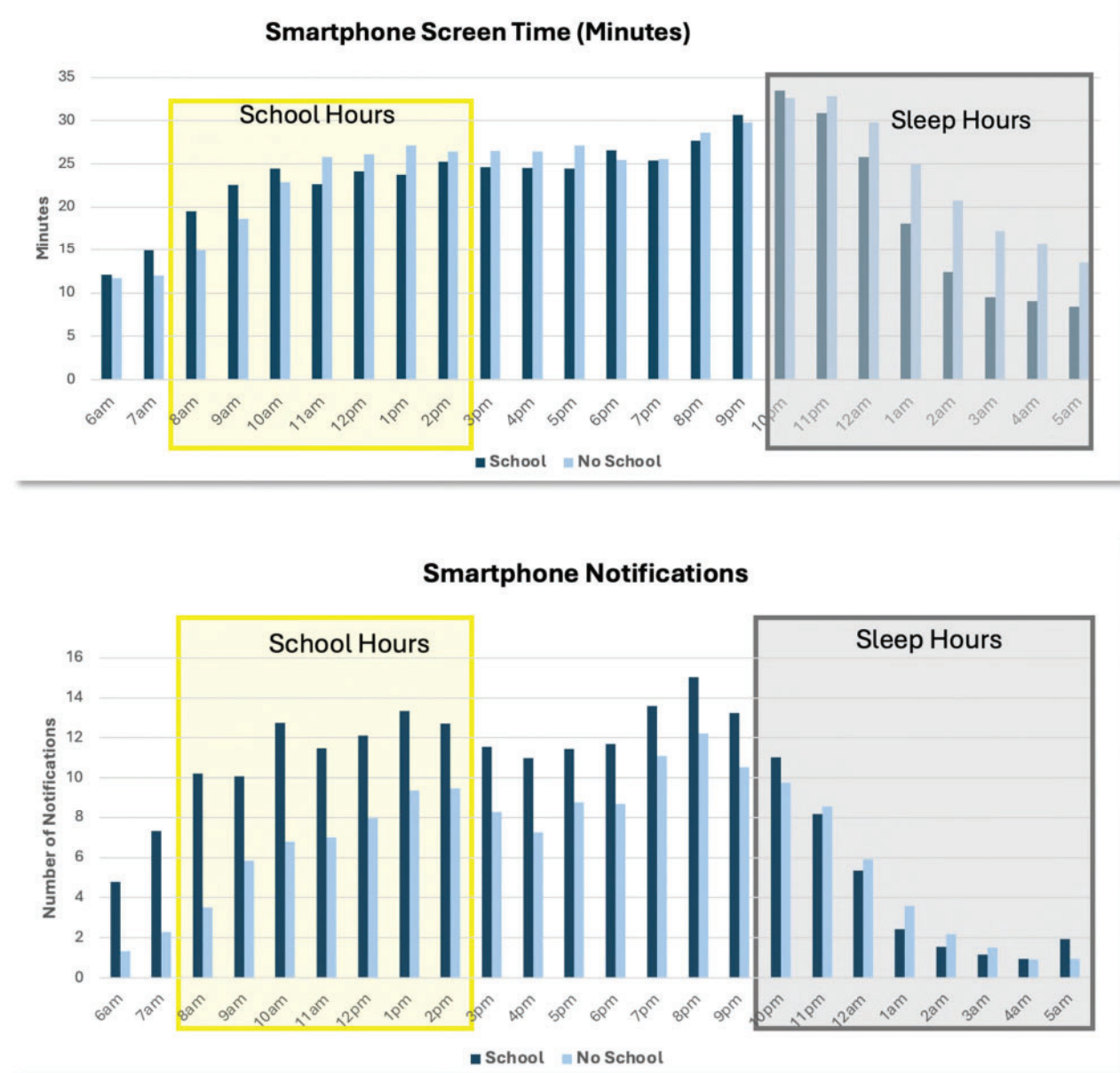


Figure note. Figure shows number of pickups (top panel), total minutes on smartphone (middle panel), and number of notifications received (bottom panel) for each hour of the day. School hours (8am-3pm) are highlighted in yellow, and sleep hours (10pm-5am) are highlighted in grey. School days (dark blue bars) and non-school days (light blue bars) are each shown across the 24-hour day. Image created by Eva Telzer for this report.

312. In another study reported by Common Sense Media (Radesky et al., 2023), a diverse sample of 203 U.S. preadolescents (ages 11 to 12) and adolescents (ages 13 to 17) with their own smartphones participated in 2022. All participants were Android users, as data collection

access was not possible on iPhones. An app was installed on participants' phones that collected objective data on their phone usage for 9 days. They examined school night usage as any use Monday through Friday during the hours of midnight to 5 a.m. (excluding holidays). Over half of participants (59%) used their phones on school nights, with a median of about 20 minutes per night, although this ranged from less than a minute to five hours. The app categories that took up the highest proportion of school night use included YouTube (47% of smartphone usage on school nights) and social media (39%).

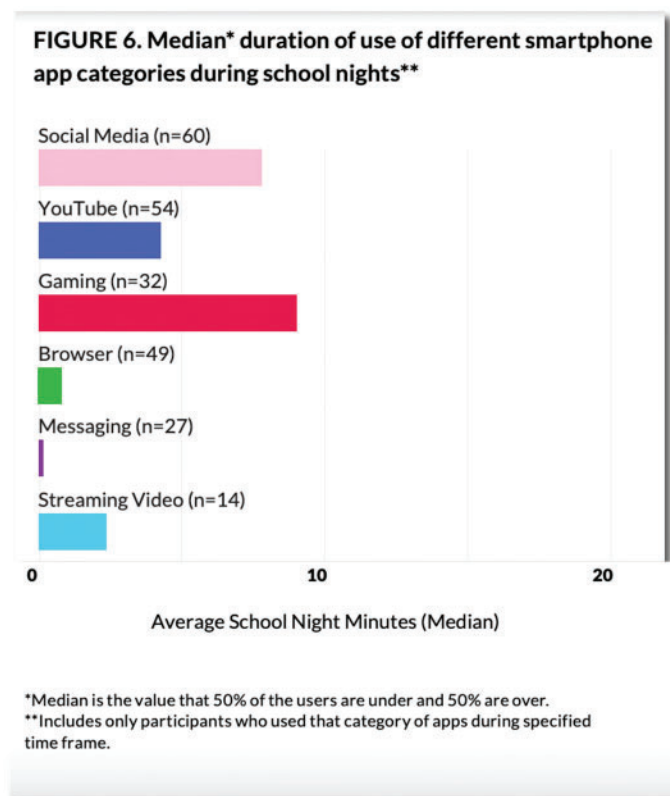


Figure note. Duration of different apps used during nighttime hours on school nights. Figure from (Radesky et al., 2023).

313. The peak smartphone usage occurred in the afternoon and evening hours. The study had youth advisors, who stated that their smartphone is often by their side after school, while doing homework, or when trying to wind down before bed. Compared to younger participants, older teens (16- to 17-year-olds) used their phone more in the overnight hours (see Figure).

FIGURE 7. Hour-by-hour plots (from midnight to midnight) of average smartphone use* in minutes, split by age group

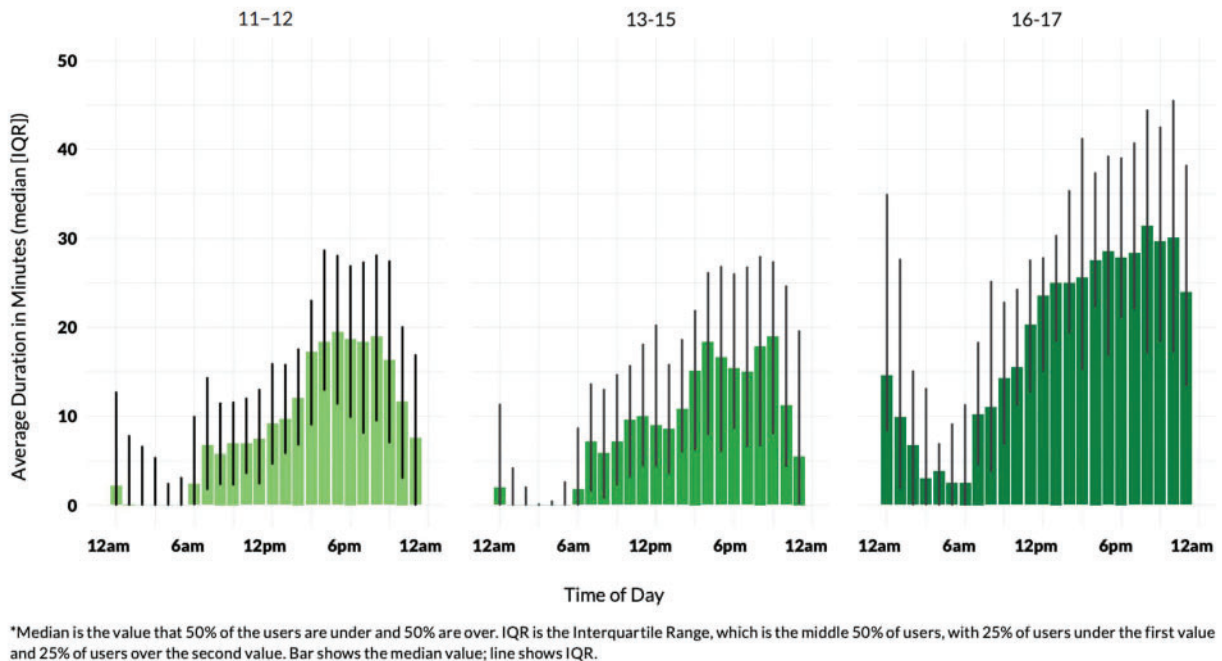


Figure note. Hour-by hour plots of total screentime in minutes split by age group. Figure from (Radesky et al., 2023).

314. **Links between smartphone use and sleep.** In the first set of analyses, we tested whether objectively measured smartphone use during nighttime hours predicted worse sleep health. Indeed, our results show that when adolescents engage in greater smartphone use during the night (but not the day), they have poorer sleep outcomes that night (Burnell, Garrett, et al., 2024). When adolescents increased their screen time relative to their own average, they had later self-reported and Fitbit-recorded sleep onset, and poorer self-reported sleep quality. When

adolescents decreased their screen time relative to their own average, they had earlier sleep onset and better self-reported sleep quality.

315. In addition to examining smartphone use at night (before sleep onset), smartphone use during wake-events following sleep onset are especially problematic. Wake events in the middle of the night, especially when prolonged, can significantly disrupt sleep health by interfering with the natural sleep cycle. If the wake event is prolonged, it can take longer to return to the deeper, more restorative stages of sleep, leading to fragmented sleep. Engaging with a smartphone during nighttime wake-events can delay the process of falling back asleep. Thus, smartphone use following a nighttime waking may be particularly disruptive by prolonging the wake event when an adolescent otherwise would be sleeping. Following a wake event, if an adolescent accesses their phone, the immediate stimulation may further disrupt their sleep and prolong sleep latency. In our second set of analyses, we tested whether smartphone use following a wake event in the middle of the night is associated with longer duration of wake events in the same hour. Our results show that during sleeping hours (i.e., after the Fitbit logged sleep onset), if adolescents awoke in the middle of the night, more screen time and more pickups was linked to longer wake durations (Garrett, Burnell, Armstrong-Carter, Nelson, et al., 2023). In other words, if adolescents woke in the middle of the night and used their smartphone, the wake event was prolonged. This disruption is concerning, as increased sleep fragmentation, and more frequent and longer wake events are associated with less overall time sleeping (Kuula et al., 2015). Over time, frequent wake events and poor sleep consolidation can contribute to chronic sleep deprivation, negatively affecting mood, cognitive performance, and physical health (Alhola & Polo-Kantola, 2007). This is particularly concerning for adolescents, whose developing brains are more sensitive to sleep disturbances and are at higher risk for the mental and physical consequences of chronic sleep

disruption. These findings provide strong evidence that nighttime smartphone use impairs adolescents' sleep health.

Why does social media use impair sleep?

316. Adolescents use their smartphones at night to be on social media. Nighttime social media use impairs sleep for 3 reasons.

317. **Social media use displaces their time.** Social media directly displaces sleep by delaying bedtimes, resulting in shorter sleep duration. An experimental intervention study was conducted to test how nighttime social media use impacts bedtime and sleep. Using actigraphy, which is a wearable device that gives us an objective measure of sleep quality, and daily questionnaires of sleep activities and technology use, this study assessed screen time in the evening and sleep habits over 1 month (Perrault et al., 2019). This included a 2-week baseline in Phase 1, followed by a 40 min sleep education workshop and a 2 week follow up in Phase 2, in which participants were asked to stop using social media after 9 pm during school nights. By examining sleep time and social media use in the same teens before and after the intervention, we can see how sleep time changes within the same teens before and after they restrict their technology use. Their results confirmed that nighttime social media use displaces sleep time. Adolescents went to bed earlier on school nights in Phase 2 after the technology intervention (shown in the left panel of the figure). In addition, they got more sleep – they increased their sleep duration by 17min after the intervention (shown in the middle panel of the figure). Importantly, their wake-up time did not change between Phase 1 and Phase 2, suggesting that these improvements in sleep duration result from getting to bed earlier. The gains in sleep are even bigger for older adolescents, who get about 30min more sleep after the intervention when their screentime is restricted (shown in the right panel of the figure).

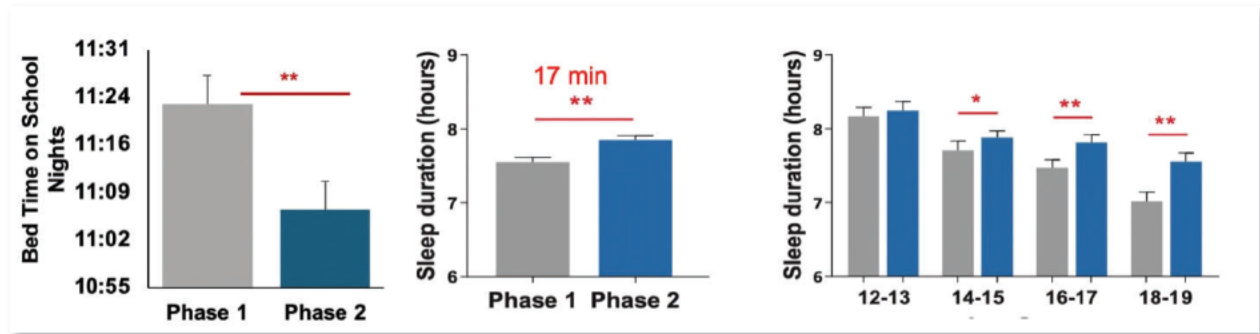


Figure note. Figure demonstrates averages in Phase 1 (grey bar) and Phase 2 (blue bar). Phase 2 represent the time after the technology intervention. The left panel shows bedtime on school nights. Adolescents went to bed significantly earlier on school nights in Phase 2. The middle panel shows their total sleep duration. Adolescents got significantly more sleep (17 minutes more) in Phase 2. The right panel shows the sleep duration across different age groups. Older adolescents (ages 18-19 and 16-17) benefited the most in Phase 2, getting around 30min more sleep. Figure from Perrault et al., 2019.

318. **Social media screens are visually stimulating.** The blue light emitted from the social media displays delays the release of melatonin, which biologically means the body cannot fall asleep. In a study that examined how screentime after 9pm is related to the onset of melatonin release, researchers examined how screentime and non-screentime activities at night relate to the release of melatonin in adolescents (Perrault et al., 2019). They found that more screentime after 9pm was related to melatonin being released later in the night. This was not the case for other non-screen activities after 9pm (see Figure below).

319. Exposure to screen use thus delays the evening rise of melatonin, which we know is related to feeling sleepy and being able to fall asleep. This delay in melatonin may lead to an increase in alertness. This increased alertness at night might increase cognitive arousal before sleep, lengthening the time taken to fall asleep and impacting sleep duration and quality. Indeed, the researchers also found that screentime at night was related to lower sleep duration.

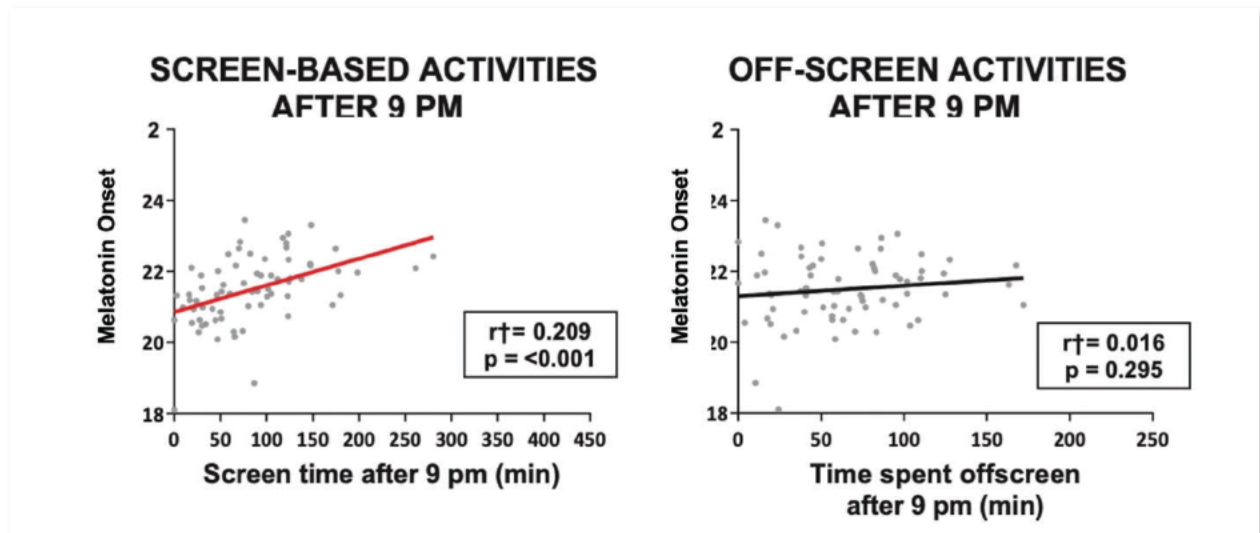


Figure note. Figure shows the onset of melatonin in adolescents. Researchers examined how screentime and non-screentime activities at night relate to the release of melatonin in adolescents. They found that more screentime after 9pm was related to melatonin being released later in the night (left image). This was not the case for off-screen activities after 9pm (right image). Figure from Perrault et al., 2019.

320. Nighttime social media use is psychologically stimulating, contributing to digital stress. This increases cognitive arousal before sleep, lengthening the time taken to fall asleep. Due to the increase in digital stress, teens feel pressure to be online around the clock in order to keep up with the social norms.

321. Moreover, in a longitudinal study of bedtime smartphone use, late adolescents who used their phones more at night developed more digital stress (fear of missing out; availability overload). Greater digital stress contributed to more sleep deprivation and worse academic performance (Lin & Zhou, 2022). Digital stress induces anxiety, fatigue, and reduces self-control, which causes decreased cognitive abilities and academic performance.

322. Rigorous external research has also conducted focus groups to understand these effects. Researchers asked a group of adolescents about their experiences using social media, and the reasons for using it to stay up late (Scott et al., 2019). Qualitative research is great for understanding these processes from teens' own perspective. When asked about turning off social

media at night, adolescents described feelings of threat, with some reporting intrusive thoughts and worry about missing out on interactions or information. Here is a quote from one teen:

“As soon as you give into that temptation you're on it for an hour, two hours at least and then- so yeah, I would say it always affects your sleep. And then you're always wondering ‘what's everyone else doing? Are they speaking to each other? Am I missing out? Should I be on this? Should I be up?’ And then yeah- it affects my sleep.” (Daniel, age 15)

323. This creates tension between social media use and sleep habits, since continuing online interactions delayed bedtimes, but disengaging from social media could also impact sleep by fueling cognitive arousal.

324. Adolescents also reported greater offline consequences of not being active on social media, especially during peak time around bedtime when they reported that peers were most active.

One teen said:

“If like the night before something big happened and then the next day everyone is talking about it and if you've not seen it you're kind of just like ‘oh, I've not seen that or I've not been involved’. So it affects the next day as well.” (Olivia, age 14)

Not being active on social media at bedtime meant that one risked missing online conversations, resulting in feeling left out of face-to-face peer interactions the following day.

325. Finally, adolescents reported delayed sleep onset due to difficulties disengaging from social media at bedtime and resisting the temptation to re-engage with incoming notifications, despite attempts to self-regulate. One teen said:

“When you're trying to go to sleep and you say ‘right I'm going to put my phone down’ and then you hear a buzz so you keep checking it [...] You just feel like sometimes you can miss something big [...] and then they ask, your friends ask ‘oh yeah, you missed out’ or like ‘what happened? What happened?’ and you're like ‘well, I went to sleep’. I think that you feel the need to so that you feel like you are part of something.” (Katie, age 13)

326. **Why is this so concerning? Sleep is essential for functioning.** Adolescents who get inadequate sleep are more likely to be overweight and not engage in enough physical activity, suffer from anxiety and depressive symptoms, engage in unhealthy risk behaviors, including

substance use, are more likely to have trouble in school, and with long-term consequences like cardiovascular effects, metabolic disorders, cancer, and suicidality (Medic et al., 2017; Owens & Weiss, 2017).

327. Sleep disparities also impact brain development. In a study from my lab, we examined how sleep variability (greater changes in their sleep from day-to-day) relates to adolescent brain development. Greater changes in day-to-day sleep time related to lower development of white matter in the brain one year later (Telzer et al., 2015). White matter is an index of myelination, and should be increasing during adolescence, and so sleep variability is at odds with normative developmental trends in brain maturation. White matter plays a crucial role in facilitating communication between regions of the brain. During adolescence, the brain undergoes significant development, and the maturation of white matter is essential for facilitating cognitive abilities such as learning, processing information efficiently, and regulating emotions (Deoni et al., 2016). Thus, poor sleep is leading to slower or less efficient neural processing which can result in difficulties with attention, problem-solving, and emotional regulation. This underscores the importance of adequate sleep during adolescence, as it directly supports the healthy development of key brain structures essential for overall well-being (Dahl and Lewin, 2002).

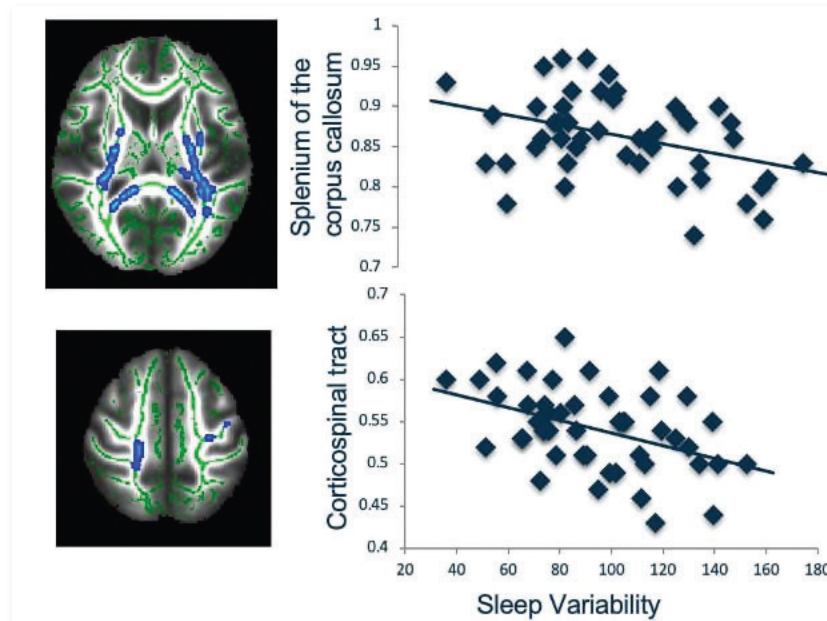


Figure note. Figure shows white matter tracts in the brain that were affected by poor sleep health (left image). When adolescents show patterns of sleep that are not healthy (showing variable sleep across 2 weeks) they show slower development of white matter tracts in their brains one year later. Right panel show the correlation between sleep variability on the x-axis and white matter integrity on the y-axis. Each dot represents one participant in the study (Telzer et al., 2015).

H. 11.8. Social Media Use and School

328. The ubiquity of smartphones, coupled with the pervasive pull of social media, has created an epidemic where phones are a constant distraction, particularly in educational settings. With the constant stream of notifications, messages, and social media updates, students are often pulled away from their lessons, unable to fully engage with the material or stay focused on the task at hand. This is especially problematic as social media platforms are designed to capture attention, making it difficult for students to resist the urge to check their phones during class. As a result, smartphones in schools disrupt students' ability to concentrate, leading to fragmented attention spans and decreased learning retention. Indeed, according to the Pew Research Center, 72% of teachers think that being distracted by phones during school time is a major problem in their classroom (Hatfield, 2024). Common Sense media conducted a study that found that adolescents

were more likely to check their phone over 100 times per day. (Radesky, 2023). This study, and others discussed below, are consistent with my own research regarding phone use during school hours support my opinion that students are spending significant time on their phones and social media during school hours.

329. **Smartphone use during school in our dataset.** In 2021 when adolescents were 16.48 years on average, we collected objective measures of smartphone use. At each hour of the day, we were able to measure how much screen time, notification, and pickups they had. Adolescents also indicated whether they had gone to school each day. Importantly, we knew the school that adolescents attended, and therefore could restrict analyses to focus on hours during school instruction. Thus, we were able to compare smartphone data across school days and non-school days at each hour of the day (see Figure below). We also know that the schools did not have any phone restrictions during school hours. During school instruction hours (8am-2:59pm), adolescents spent 2.7 hours total on their phones. That means adolescents spend 39% of their time at school on their phones distracted from learning. This ranged from a min of 36 minutes on their phone during school time to a maximum of 5.3 hours. There was not a single participant in the sample who did not use their phone during school time.

330. TikTok, Snapchat, and Instagram were observed in the top three most heavily used apps (Burnell et al., 2025). We can also determine the apps adolescents first used after a pickup. The first app used after a pickup was Snapchat, with Snapchat the top app used 49% of the time, followed by Instagram (13%), Messages (12%), TikTok (7%), Safari (4%), and YouTube (3%) (Nesi, Burnell, et al., in press). As discussed in more detail below, it is my opinion to a reasonable degree of scientific certainty that all 4 defendant apps, individually and collectively, are substantial contributors to compulsive use in schools.

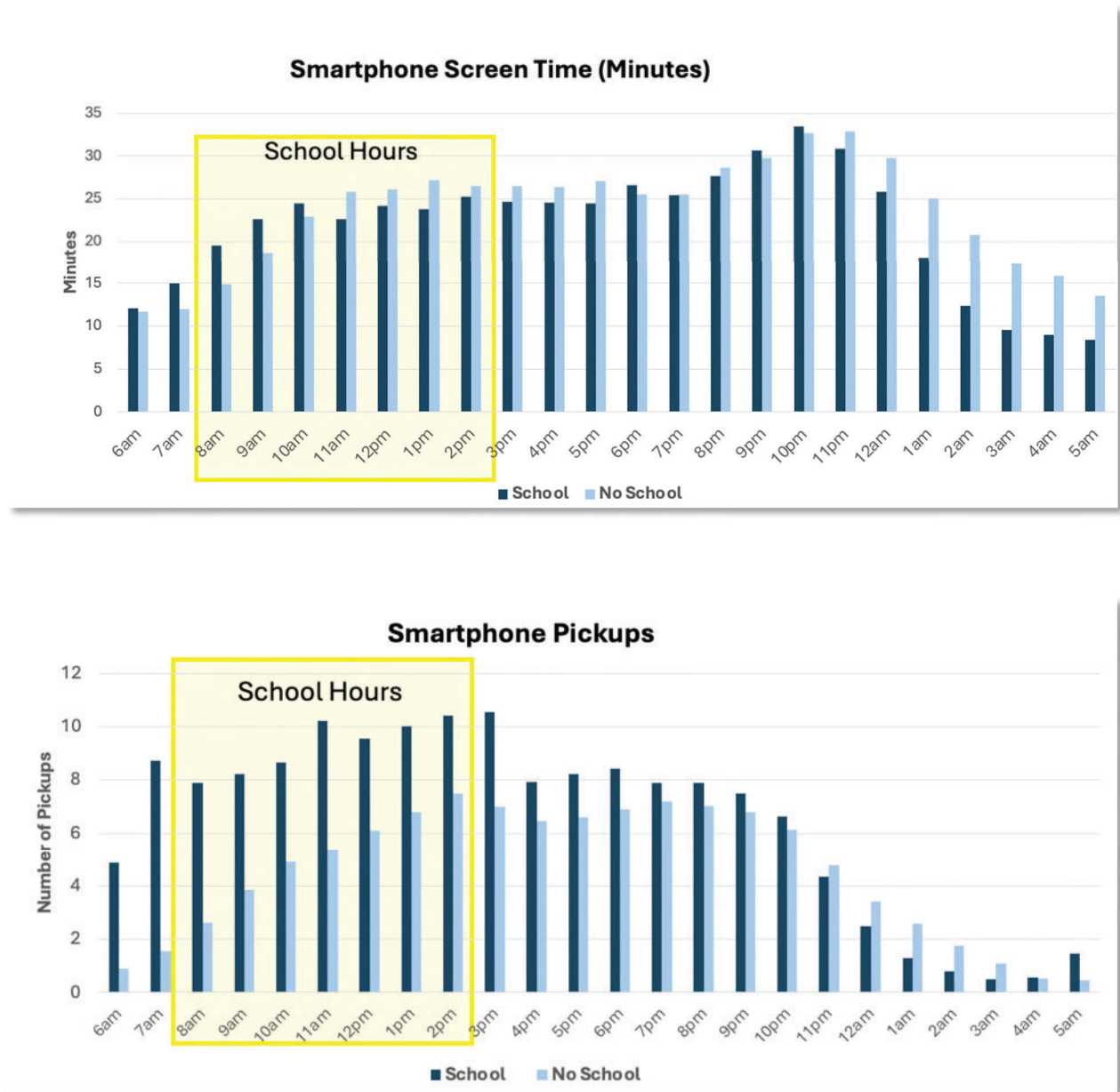


Figure note. Image reproduced from above section. Image created by Eva Telzer.

331. In addition, they are constantly picking up their phones. On average, they picked up their phones 65 times during the school day. This ranged from a minimum of 13 pickups during school time to a maximum of 143 pickups. There was not a single participant in the sample who did not pick up their phone during school time. As shown in the Figure above, adolescents are checking their phones twice as often during the day on school days than non-school days. This

constant connectivity can lead to frequent distractions, as students are tempted to check notifications, reply to messages, or scroll through feeds, even during lessons. It is no wonder that teachers see this as a major problem.

332. In another published study, 117 13-18 year olds provided similar data in 2023 (Christakis et al., 2025). Results showed that adolescents spent an average of 1.5 hours on smartphones during the 6.5 hours of school. The top most used apps (excluding internet browsers) were messaging, Instagram, video streaming, and email. While the statistics reported in this publication differ from ours (1.5 hours in their study vs. 2.7 hours in ours), there is reason to believe the publication may be under-reporting. First, we know in our sample that there were no school bans on phones. In the Christakis publication, it is possible that some of the students in the sample were in schools with phone restrictions/bans, which may lower the amount of time some participants had access to their phones. Second, our participants reported whether they attended school each day. In the Christakis publication, they inferred it was a school day. If their participants were not actually in school that day, the teen was likely sleeping during the morning hours (given the well documented finding that adolescents sleep into the late morning due to their delayed circadian patterns), and therefore phone use may have been lower than if they were awake and in school. Nonetheless, despite differences, the results across these two studies indicate that adolescents spend an average of 1.5-2.7 hours on their phones during school time, and social media apps are among the top apps used during this time. For reference, in our study, school hours were 8am-3pm – which means that over 38% of school hours are spent on the phone.

333. In another study reported by Common Sense Media_(Radesky et al., 2023), a diverse sample of 203 U.S. preadolescents (ages 11 to 12) and adolescents (ages 13 to 17) with their own smartphones participated in 2022. All participants were Android users, as data collection access was not possible on iPhones. An app was installed on participants' phones that collected objective data on their phone usage. The researchers looked at the frequency of picking up their phones. Participants picked up their phones a median of 51 times per day, ranging from two to 498 times per day. When pickups were graphed hour by hour (see Figure below), it can be seen that teens (age 13 to 17) check their phone regularly through the middle of the day (i.e., during school hours) as well as after school. Younger participants (age 11 to 12) had the lowest frequency of pickups per hour.

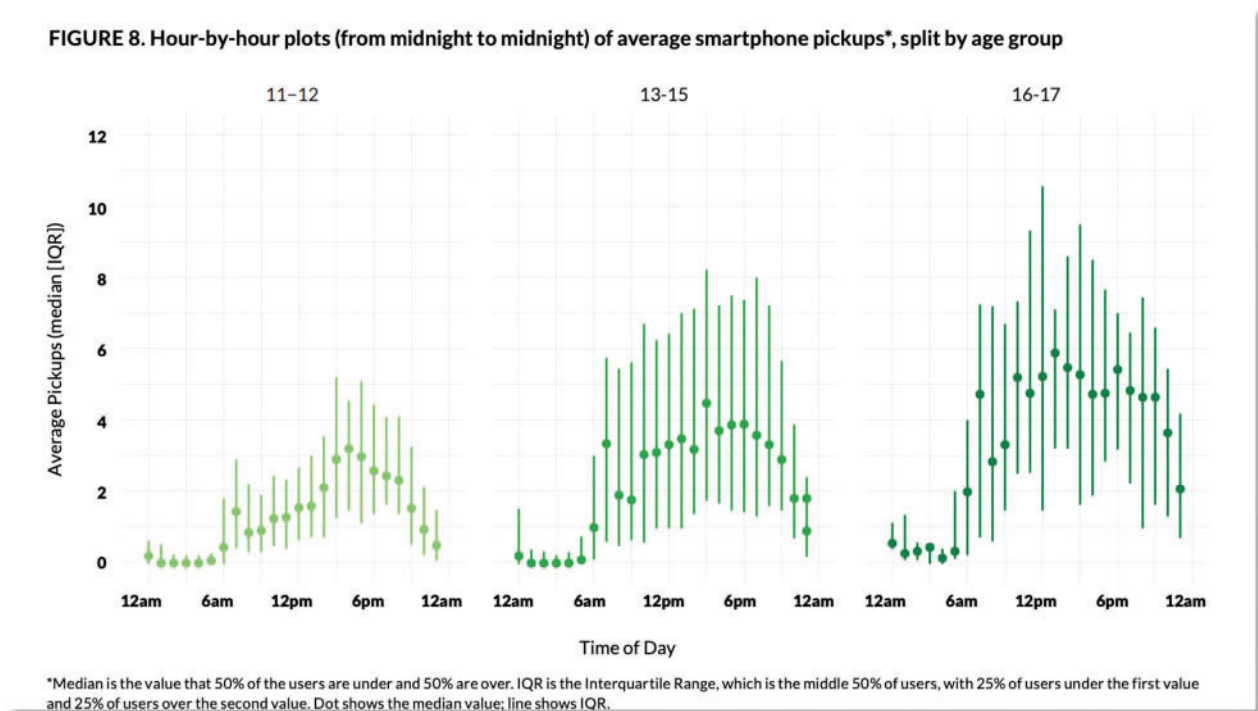


Figure note. Hour-by hour plots of average pickups split by age group.²¹

²¹ https://www.commonsensemedia.org/sites/default/files/research/report/2023-cs-smartphone-research-report_final-for-web.pdf

334. **Is it possible that smartphone use during school is for educational use?** In short, No. According to our data, social media accounts for a large amount of adolescents' smartphone use, with participants logging on average 240 minutes of social media use per day (approximately four hours). Our screenshot data show the top three app categories used in a given day, so we are able to determine that educational apps account for very little of daily smartphone use. On school days, the average level of education app use was 23 minutes *per day*²², which is far from the 20-25 minutes of smartphone use that participants logged *per hour* during school hours.

335. **Time specifically on social media during school.** We have recent data collected on a new cohort of adolescents. In this new study, we collected specific screentime activities via objective measures of screen time. All methods were similar to those described above, and the sample came from the same school district. This new cohort of adolescents completed the first wave of data collection in 2023-2024. At wave 1, participants ranged in age from 11-14 years. We have begun processing these data. In a preliminary subset of 27 adolescents, we extracted their screen time and were able to separate out the data based on screentime on social apps (e.g., Instagram, TikTok) versus non-social apps.

336. On average, adolescents spent 12 minutes on their phones per hour during school time (as shown in the dark green bars on left panel of Figure below). This average increased throughout the school day, such that they spent 9.2 minutes total at 8am, 12.8 minutes total at 11am, and 16.8 minutes total at 2pm. 50% of their total screen time was spent on social media (shown in the light green bars in the Figure below). On average, adolescents spent 6 minutes on social media per hour during the school day. This average increased throughout the school day,

²² It is important to note that this average is likely an overestimate, as we are only able to capture education app usage when this category was logged as a top three app. Because of this, we are likely missing many days in which education app usage was only a few minutes long, if at all.

such that they spent 4.5 minutes total at 8am, 5.8 minutes total at 11am, and 8.8 minutes total at 2pm. These statistics are consistent with a 2022 study by Common Sense Media, which found that 58% of screentime during school hours was spent on social media apps (Radesky et al., 2023). For reference, in our study, school hours were 8am-3pm – which means that 10% of their school hours were spent specifically on social media.

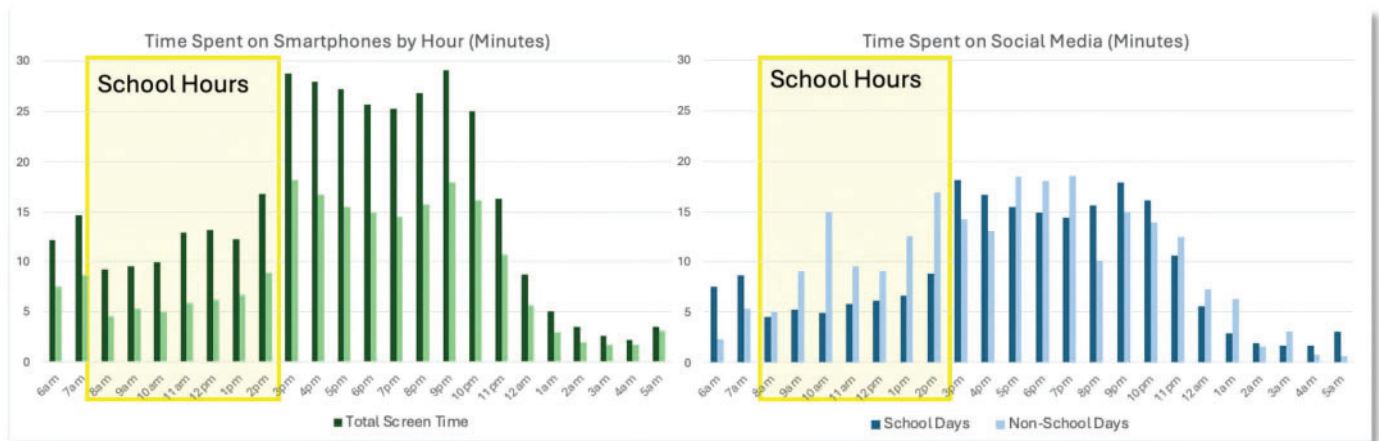


Figure note. The right figure shows total minutes on smartphone (right figure, dark green bars), and total minutes on social media apps (right figure, light green bars) for each hour of the day. School hours (8am -3pm) are highlighted in yellow. The left figure shows time spent on social media across the day on school days (dark blue bars left panel) and non-school days (light blue bars left panel). Image created by Eva Telzer for this report.

337. **Media multitasking during school.** Media multitasking is commonly defined as using two types of media simultaneously or using media while engaging in other non-media activities, such as using media while doing homework or during school lessons. Adolescents who media multitask more frequently have more attention problems and higher levels of impulsivity (Wiradhany & Koerts, 2021). Indeed, in a recent meta-analysis, media multitasking and attention problems in everyday life were significantly positively related, with small to moderate effect sizes (Wiradhany & Koerts, 2021). One longitudinal study found that adolescents who used media more often during academic activities (such as while doing homework) reported increased difficulties

in focusing their attention during academic activities over time (van der Schuur et al., 2015). Importantly, the link between media-multitasking and academic performance is specific to social media use. For instance, in a study of late adolescents, when controlling for GPA, higher social media use predicted lower test scores, but accessing the Internet, organization use, or playing a game on one's phone was not related to test scores, indicating that social media was the specific type of in-class phone use that was related to lower test scores (van der Schuur et al., 2015). Thus, students who specifically engage in higher social media use during class, across the range of GPA, perform at lower levels academically and may run an increased risk of failing classes.

338. Experimental studies have further provided causal evidence for the detrimental effect of social media use during class time. For example, in one experimental study, one group was randomly assigned to navigate Facebook and to exchange short messaging via mobile phones during real time in class lecturing, and a second group was the control group which took notes using only pen and paper during the same lectures (Demirbilek & Talan, 2017). For participants who were able to use Facebook during class, their grade performance was greatly hindered, suggesting that engaging in social media use while trying to follow instruction may reduce learners' capacity for cognitive processing causing poor academic performance.

339. One study sought to quantify the amount of academic performance that was at risk. This study collected objective measures of screentime usage, much like my research has done (Felisoni & Godoi, 2018). The researchers found that each 100 min spent using their phones on average per day corresponded to a reduction in a student's position at the school's ranking of 6.3 points, in a range from 0 to nearly 100. Moreover, when only examining usage during class time (as opposed to during free time and weekends), the effect was almost twice as high.

340. Importantly, empirical research indicates that social media use by students during class can detrimentally affect the learning of nearby peers, leading to decreased learning outcomes (Dontre, 2021). This "second-hand" distraction suggests that off-task technology use, such as social media browsing during class, can impair the learning environment for all students in the classroom.

341. **Smartphone use during school and cognitive control.** Neuroimaging research has further shown that heavy media-multitasking is linked to poorer performance during distracted attention. It is also linked to increased prefrontal cortex activity when attempting an attentionally demanding task, which suggests that media-multitaskers might experience more difficulties when recruiting cognitive control resources (Moisala et al., 2016). Together, this research underscores that media multitasking impairs working memory and reduces cognitive capacity, making it harder for students to retain information or complete tasks effectively. The habit of switching attention between academic tasks and social media creates fragmented focus, which can negatively affect academic performance and overall cognitive development by disrupting cognitive function in the prefrontal cortex. As a result, the pervasive presence of social media use during school hours poses challenges to students' ability to fully engage in educational activities.

342. In our own research, we conducted an experiment to test specifically how smartphone-use during school time might impair adolescents' cognitive control. We administered a Go-NoGo Task. Go/No-Go tasks are widely regarded as a gold standard for assessing cognitive control, particularly in adolescents, because they require the ability to inhibit prepotent responses, a core component of executive function (Casey et al., 1997). A Go/No-Go task is a cognitive task used to measure cognitive control, specifically response inhibition and attentional control. Participants are presented with a series of stimuli and instructed to make a specific response (e.g.,

pressing a button) when they see a "Go" stimulus and to withhold their response when a "No-Go" stimulus appears. These tasks are simple to administer and reliably measure inhibitory control and attentional processes, which are crucial during adolescence, a period marked by ongoing development of the prefrontal cortex (Luna et al., 2010).

343. In our task, cognitive control was operationalized as d-prime. The signal detection theory metric d-prime is commonly used in Go/No-Go tasks to quantify cognitive control (Stanislaw & Todorov, 1999). It measures the ability to discriminate between signal (Go) and noise (No-Go) trials, reflecting the precision of inhibitory control and attentional focus. A higher d-prime indicates better cognitive control, as it captures the sensitivity to accurately identify targets while minimizing errors. As shown in the Figure, adolescents who checked their phones more frequently during school hours showed impaired cognitive control, as evidenced by lower d-prime. For instance, adolescents picking up their phone 100 or more times during school hours showed the lowest d-prime, whereas adolescents who checked their phones 20-40 times total on average throughout the school day had the highest d-prime.

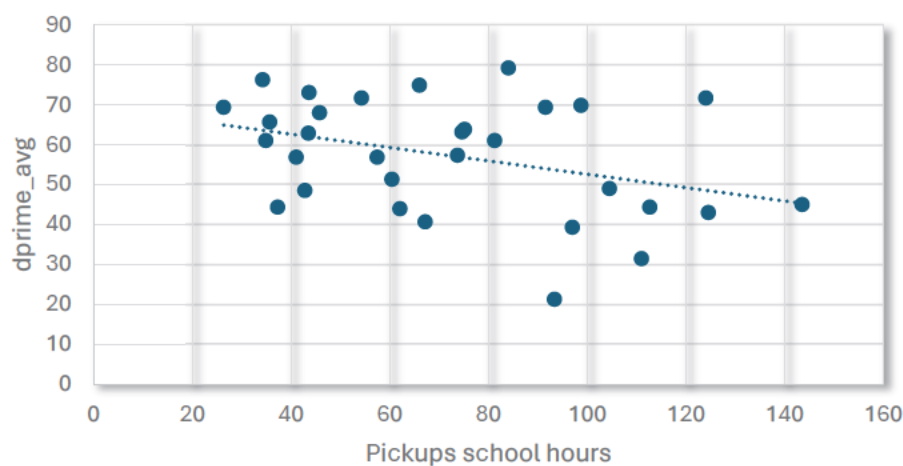


Figure note. Image shows the correlation between pickups during school hours (x-axis) and adolescents' d-prime (y-axis), an experimental measure of adolescents' cognitive

control. Each dot represents one participant in the study. Image created by Eva Telzer for this report.

344. Notably, we measured cognitive control with a robust experimental task and assessed adolescents' smartphone use using objective measures collected daily over 2 weeks. Importantly, the effect size is large, demonstrating strong evidence that adolescents with poor cognitive control are unable to inhibit the need to pick up and check their phone constantly throughout the day. Adolescents with better cognitive control are more able to resist the urge to check their phones; nonetheless, they still check their phones dozens of times during the school day. These data are cross sectional, thus it is possible that either (1) constantly checking social media leads to poor cognitive control, or (2) adolescents with poor cognitive control do not have the ability to resist the urge to check their phones during school. Either way, these findings provide strong evidence that failures in cognitive control develop in tandem with excessive smartphone use during school times.

Why is this so concerning?

345. Cognitive control during adolescence is crucial for regulating behavior, decision-making, and emotional responses, impacting virtually all aspects of functioning. Research has shown that d-prime is associated with a range of outcomes. For instance, higher d-prime scores are linked to better academic performance, as cognitive control supports sustained attention and goal-directed behavior (Best & Miller, 2010). D-prime tends to improve with age (Heller et al., 2016). Lower d-prime is associated with greater impulsivity (Ames et al., 2014; Cohen-Gilbert & Thomas, 2013). Neuroimaging studies further indicate that d-prime correlates with activity in the prefrontal cortex, particularly in regions implicated in inhibitory control, such as the dorsolateral prefrontal cortex (Ames et al., 2014; Heller et al., 2016). These findings underscore the critical

role of cognitive control, as measured by d-prime, in supporting adaptive functioning during adolescence.

346. Adolescents' inability to disconnect from social media during school may reinforce difficulties with sustained attention and self-regulation, potentially exacerbating cognitive challenges that extend beyond the classroom. Below, I detail how this may have implications for their focus in school as well as potential downstream impacts on ADHD symptomology.

347. **Links to ADHD.** Adolescents who engage in media multitasking and who struggle to resist and disengage from social media during academic activities may exhibit impulsivity and difficulties in self-regulation, core features of ADHD. Indeed, one study found associations between problematic social media use and hyperactivity among a large sample of more than 20,000 Dutch adolescents, and another study found cross-sectional correlations between problematic social media use and attention deficits, impulsivity, and hyperactivity (Boer, Stevens, et al., 2020; Mérelle et al., 2017). One longitudinal study investigating the reciprocal relationships between ADHD and social media use found no evidence for an effect of social media use frequency on ADHD over time but did find an effect of *addictive* social media use on ADHD (Boer, Stevens, et al., 2020). Thus, the frequency of social media use per se is not causing ADHD but more problematic usage patterns (such as uncontrollability of usage during school time) might be detrimental to adolescents' attention. Other studies have similarly shown that problematic smartphone use longitudinally predicts ADHD symptoms (Sihoe et al., 2023). Importantly, baseline ADHD symptomatology does not predict smartphone addiction one year later, providing evidence that problematic smartphone use (e.g., such as inability to disengage from use during school time) leads to later ADHD, whereas ADHD does not lead to problematic smartphone use.

348. **Cognitive persistence.** Cognitive persistence—the ability to sustain attention on a task despite distractions—can be disrupted by frequent phone checking, as each notification or urge to scroll social media fragments attention and reduces the capacity for deep, sustained thinking (Zickerick et al., 2020). Social media distractions during class or while doing homework can impair academic performance and learning outcomes. Indeed, in a study of over 600 adolescents, multitasking with social media while studying and doing homework predicted worse attentional control and lower academic performance (lower GPAs) (Kokoç, 2021). Cognitive persistence is crucial for self-regulation and long-term success. However, adolescents often struggle with cognitive persistence due to ongoing brain development, making it harder to maintain focus on tasks that do not provide immediate rewards (Jozsa & Morgan, 2014). Social media environments further undermine cognitive persistence by offering a constant stream of easily accessible, high-stimulation content that rewards quick engagement rather than sustained effort. Features like infinite scrolling, autoplay videos, and algorithm-driven recommendations encourage rapid shifts in attention, reinforcing a preference for short bursts of gratification over prolonged focus. For adolescents, who already have difficulties with attentional control and delaying gratification, frequent engagement with social media can exacerbate these challenges by conditioning the brain to seek quick, effortless rewards rather than investing effort into sustained cognitive tasks. Over time, this can weaken the ability to focus on demanding activities, such as studying, focusing on class assignments, or problem-solving, which require sustained attention and cognitive control.

349. The developmental findings that adolescents show improved cognitive control when rewarded, suggests that motivation plays a key role in their ability to sustain attention and regulate behavior in the classroom (Geier & Luna, 2009, 2012; Geier et al., 2010; Padmanabhan

et al., 2011). Moreover, adolescents exhibit increased activation compared to children and adults in the reward system of the brain when their efforts are extrinsically rewarded (Padmanabhan et al., 2011). At the same time, social media platforms provide unpredictable rewards—such as likes, comments, and new content—engaging the same neural reward systems that drive motivated behavior. This overlap in reward processing may interfere with adolescents’ ability to engage in cognitive persistence and focus in school. Since adolescents exhibit heightened activation in reward-related brain regions when their efforts are extrinsically rewarded, they may struggle to sustain focus on tasks that do not offer immediate or unpredictable rewards, such as schoolwork (Padmanabhan et al., 2011). Unlike the structured and often delayed rewards of academic achievement, social media provides an instant and variable reinforcement schedule, which is known to be particularly effective in driving compulsive behaviors. As a result, adolescents may become conditioned to seek frequent external stimulation and struggle with the prolonged, effortful engagement required for deep learning. This can lead to difficulties maintaining attention in class, completing complex cognitive tasks, and persisting through challenges, ultimately impairing academic performance. Additionally, the frequent interruptions caused by checking social media can fragment attention, reducing their ability to engage in sustained thought and problem-solving. Together, these factors suggest that the reward structure of social media may compete with the cognitive demands of school, making it harder for adolescents to develop the persistence and focus necessary for academic success.

Are Phone Bans in School Effective?

350. Many countries around the world, including France, Turkey, Norway, Sweden, many states in the US, Canada, and Australia have introduced policies for schools to ban or heavily restrict the use of phones in schools. Although anecdotal data suggests that banning phones in

school will benefit youth's mental health and academic performance, empirical support has not been well established (Goodyear et al., 2025).

351. A recent scoping review of the literature followed the Preferred Reporting Items for Systematic reviews and meta-Analyses extension for scoping reviews (PRISMA-ScR) and pre-registered their protocol with the Open Science Framework (OSF) (Campbell et al., 2024). This is a rigorous method ensuring unbiased reporting. The available literature is somewhat small, but they identified 22 studies that met inclusion criteria. The included studies that tested the impact of mobile phone use on academic outcomes ($n = 7$) and the relationship between mobile phone use and learning ($n = 14$), student mental health and wellbeing ($n = 6$) and cyberbullying ($n = 7$). While none of the studies used the most rigorous method of implementing randomized control trials to test the efficacy of implementing phone bans, they examined the effects across the small number of studies with different designs (e.g., cross-sectional; natural intervention), samples, operational definitions of mobile phone bans (i.e. partial, or complete bans) and outcome measures. Their findings indicate inconclusive effects, detailed here:

352. **Effects on academic achievement.** Four studies reported increases in academic outcomes as evidence to support mobile phones bans in schools (Abrahamsson, 2024.; Beland & Murphy, 2016; Beneito & Vicente-Chirivella, 2022; Melattinkara, 2021) whereas three studies reported no differences in academic achievement regardless of bans (Guldvik & Kvinnsland, 2018; Kessel et al., 2020; Smith et al., 2018).

353. **Effects on mental health.** Two studies used qualitative interviews and found that teachers believe mobile phones have a negative impact on students' mental health (Aloteibi, 2022; Tran, 2021). Alternatively, four studies found no evidence that banning mobile phones in school

affects mental health (Abrahamsson, 2024.; Guldvik & Kvinnsland, 2018; Tricoli, 2022; Wike, 2020)

354. **Effects on cyberbullying.** Five studies supported mobile phone bans for reducing bullying and cyberbullying (Abrahamsson, 2024.; Beneito & Vicente-Chirivella, 2022; Guldvik & Kvinnsland, 2018; Porter et al., 2016; Toth, 2022), whereas two studies showed mobile phone bans at school was associated with higher rates of cyberbullying (Davis & Koepke, 2016; Walker, 2013).

355. A more recent study (Goodyear et al., 2025) examined 30 secondary schools, comprising 20 with restrictive (recreational phone use is not permitted) and 10 with permissive (recreational phone use is permitted) policies. The study examined a host of wellbeing outcomes, including anxiety, depression, problematic social media use, sleep, physical activity, and disruptive behavior. Among the 1227 participants (age 12–15) across the 30 schools, the researchers found no significant difference in adolescent mental wellbeing across any of the metrics between adolescents attending schools that permitted phone use compared to those attending schools that restricted phone use.

356. Median social media time during school was .54 hours less in restrictive than permissive schools, (students in permissive schools spent 0.50 hours compared to students in restrictive schools who spent 0.03 hours). Despite differences of use during their time in school (e.g., 9 am–3 pm), this reduced use in schools did not manifest in differences in the overall time spent on phones and social media. In other words, adolescents in restrictive schools made up for the lost time outside of school. Moreover, across students in both types of schools, increasing time spent on social media was related to lower mental wellbeing, including higher depression, anxiety, problematic social media use, poorer sleep, and worse physical activity.

357. In summary, there is mixed and inconclusive evidence for the effect of banning phones in schools. There is no conclusive data to suggest that restrictive phone use school policies influence outcomes for adolescents across a range of mental, physical, social, and cognitive domains. In fact, adolescents in schools with restrictive policies may make up for the time lost during school, thereby showing similar mental health detriments as their peers in schools with permissive phone policies.

I. 11.9. Social Media and Brain Development

358. Neural reorganization during adolescence provides an extended window of neural plasticity, during which time social contexts influence the development of the brain (Baker et al., 2025). Due to this plasticity, the brain is especially receptive to external stimuli, and repeated interactions with social media can have a profound impact on its development. Frequent social media use may alter brain regions involved in reward processing, affective salience, emotion regulation, and social cognition.

359. The literature is consistent that social media platforms provide adolescents with unprecedented opportunities for social interactions during a critical developmental period when the brain is especially sensitive to social feedback. Social media platforms are designed to engage users by triggering dopamine responses through a constant and unpredictable stream of social feedback in the form of likes, comments, notifications, messages, and new content. They are designed to hold users' engagement by maximizing social rewards. Social media use may be associated with how the brain changes developmentally across adolescence by tuning the brain to seek social cues and rewards. Over time, this can reshape neural pathways, further reinforcing patterns of behavior on social media.

360. While many have published on the impacts of media and social media on brain development, some of these publications come from our EMA research. As noted in the relevant papers, we asked adolescents 3 times a day for 2 weeks how they felt in the hour after engaging on social media. We found that in the immediate hour after using social media use, adolescents reported an increase in sensation-seeking behaviors, such as a desire for more thrilling or novel experiences, and a craving for further social interactions (Armstrong-Carter et al., 2023). These findings underscore the influence of social media on adolescent behavior, suggesting that social media platforms can trigger dopamine-driven reward pathways. This suggests that the rewards they receive from social media interactions—such as likes, comments, or new messages—activate the brain’s dopaminergic reward system, reinforcing the urge for continued reward seeking behaviors and engagement online. The instant gratification adolescents receive from social media can create a cycle of reward-seeking behavior, where the desire for more social validation or stimulation leads them to repeatedly check their phones and engage with online content.

361. We thus tested how constantly checking social media may affect how the brain develops in key networks involved in processing social rewards. In the first longitudinal study to examine links between social media and functional brain development, we examined how habitual social media use was linked to longitudinal changes in how the brain processes social rewards over time (Maza et al., 2023). At the first wave of our longitudinal data (in 2016 when adolescents were between 12-14.5 years), adolescents reported the frequency with which they check their social media platforms. Participants were asked how many times per day they checked each platform (Facebook, Instagram, and Snapchat), with answers grouped into 8 numerical score categories (ranging from less than once per day to over 20 times per day). They also underwent neuroimaging scanning annually for the next 3 years. During the fMRI scan, we took images of their brain as

they completed an experimental task during which adolescents anticipated receiving social reward and social punishment feedback from peers. This allowed us to examine longitudinal changes in the brain related to the anticipation of peer feedback, a common experience on social media.

362. We found that adolescents who habitually checked their social media accounts showed differences in functional brain development over the next 3 years (Maza et al., 2023). Youth who habitually checked their social media showed increases in activation in the affective salience (e.g., amygdala, insula), motivational relevance (e.g., ventral striatum), and executive control (e.g., dorsolateral prefrontal cortex) networks when they anticipated positive and negative feedback from their peers (see Figure below). Importantly, these regions are rich in dopaminergic pathways (Haber, 2011). These findings suggest that dopamine pathways, which are critical for reward processing and motivation, may be being reshaped in habitual social media users. In contrast, non-habitual social media users showed a reduction in activation in these same brain regions, indicating a lessened sensitivity to social feedback and more regulated emotional responses.

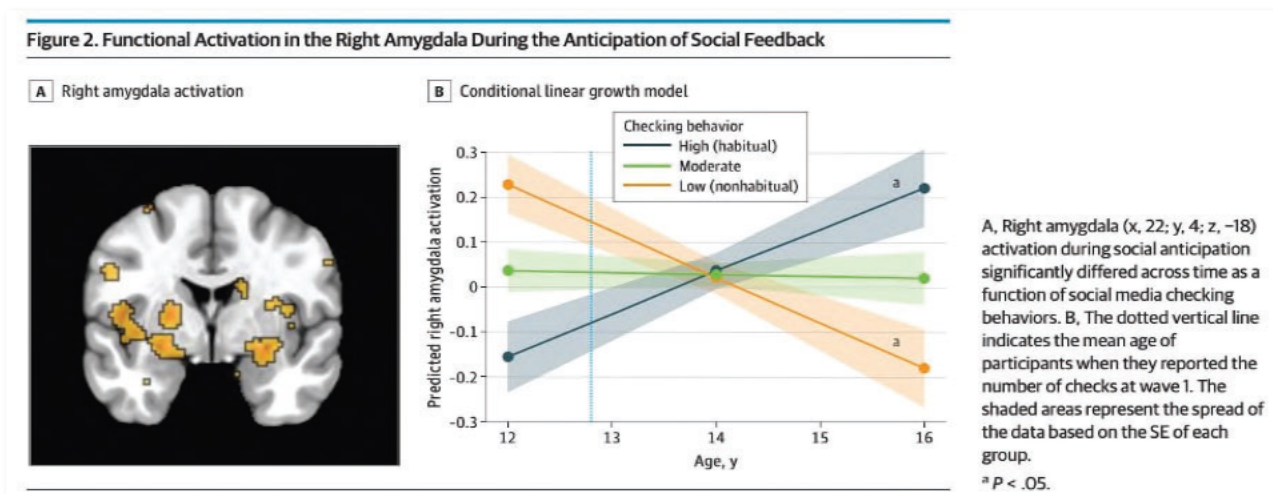


Figure note. Figure shows areas of the brain that changed over the study period that depended on adolescents' habitual social media checking behavior (left image). In order to examine what the patterns of change show, we plotted the activation for adolescents based on their habitual social media checking behavior (right figure). Age is shown along

the x-axis and the amount of activation in the amygdala is shown along the y-axis. The change in activation is plotted separately for adolescents who showed initial low levels of social media checking (orange line), moderate levels of social media checking (green line) and high levels of social media checking (blue line). Adolescents who engage in high, habitual social media checking showed longitudinal increases in activation, becoming hypersensitive to peer feedback across the adolescent period. This starkly contrasts with adolescents who engaged in low levels of social media checking, who showed the opposite pattern of brain activation, showing typical adolescent-expected declines in activation. Figure from (Maza et al., 2023).

363. For adolescents who habitually check social media, the constant engagement may trigger dopamine responses, reinforcing behaviors that seek social validation and engagement, thus restructuring these neural pathways over time. As a result, habitual social media use may increase the drive for reward-seeking behaviors and create a cycle of reinforcement. As a result, adolescents who habitually use social media may become increasingly attuned to seeking social rewards, further reinforcing patterns of behavior that prioritize validation-seeking and engagement on these platforms. Over time, this heightened sensitivity to social feedback can create a cycle of reinforcement, where adolescents are drawn back to social media for the dopamine-driven rewards it offers, making it even harder to disengage. As such, social media is hijacking adolescents' neurobiological vulnerabilities, further sensitizing them to social media and exacerbating an already sensitive brain during a period when emotional reactivity and reward sensitivity are already heightened. These findings underscore the potential long-term impact of social media on the adolescent brain.

364. **Are these patterns irreversible or do they continue into adulthood?** A recent neuroimaging study examined how sensitivity to likes on social media across adolescents predicts differences in brain volume in adulthood (da Silva Pinho et al., 2024). The sample consisted of 96 young adults ages 18 to 24 with 11,277 Instagram posts. These data consisted of user historical Instagram trace data integrating all the data since participants created their accounts. This resulted

in an average of 5.74 years of social media use among participants and an average age of first post at age 14.2 years. As shown in the Figure below, the Instagram data were available across the participants' adolescence (shown by the purple dot). In late adolescence/young adulthood, participants completed a structural brain scan (shown by the green dot). These data allowed the researchers to test long-term effects of social media use and identify which brain regions are associated with prolonged exposure to social media during adolescence.

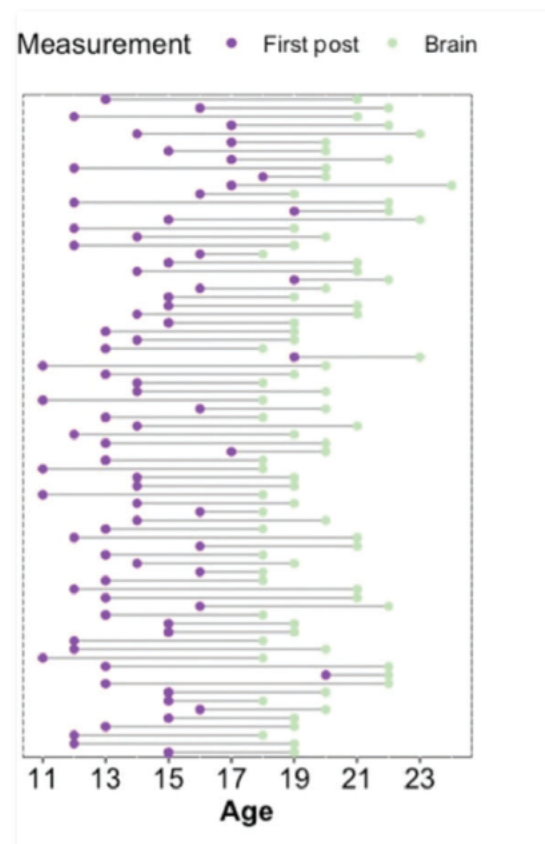


Figure note. Years of social media use per participant, spanning from the age of their first Instagram post (shown by the purple dot) to the age at which brain data were collected (shown by the green dot). The line between dots represents the span of social media data obtained. Figure from (da Silva Pinho et al., 2024).

365. From the Instagram trace data (i.e., real app posting and feedback data), the researchers built a computational model, which calculates the prediction of online engagement as a function of social feedback (likes on their posts). That is, the more likes a person receives, the

sooner this person will post again, and the fewer likes they receive, the longer it takes them to post again. Higher scores from the computational model equate to greater social media feedback sensitivity, indicating sensitivity not only to receiving more likes than expected but also to the unexpected absence of likes.

366. In addition to getting Instagram trace data, participants completed a Problematic Social Media Measure. An example item is “Do you find it difficult to stop using social media when you are online?” The authors examined how sensitivity to likes, based on the computational models built from the Instagram trace data, problematic social media use, and social anxiety related to structural brain development. Results show that adolescents with greater social media feedback sensitivity across adolescence showed differences in volume in young adulthood in several subcortical regions including the amygdala. Problematic social media use and social anxiety were also associated with amygdala volume.

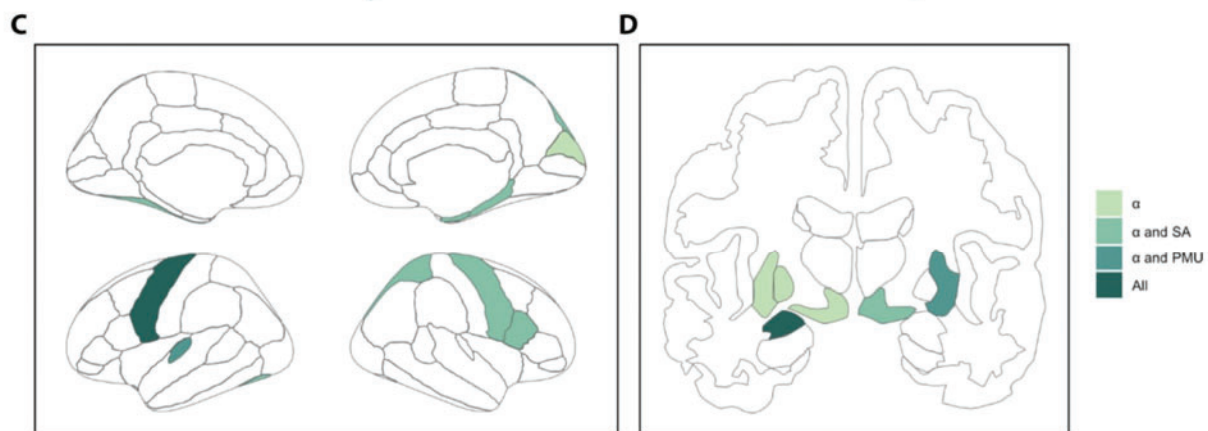


Figure Note. (C) Cortical regions of the DK atlas (left hemisphere on the bottom and right hemisphere on the top) related to feedback processing. (D) Subcortical regions predicting social feedback sensitivity (α ; light green) and overlapping regions between α and social anxiety (SA; right ventral DC), between α and problematic media use (PMU; right putamen), and across all (left amygdala). Figure from (da Silva Pinho et al., 2024).

367. This shows that sensitivity to social media feedback during adolescence is related to developmental differences in brain structure across several regions involved in social salience, including the amygdala. Such differences in amygdala volume are also related to problematic social media use and social anxiety. The amygdala is a region of the salience network, and prior research shows that prolonged early life stress is related to larger amygdala volume and difficulties in emotion regulation (Tottenham et al., 2010). Importantly, the amygdala can change as a function of early experiences, but such changes are resistant to ameliorative environmental influences, evidence found in humans and rodents, suggesting that cellular growth in the amygdala following stressors fails to reverse, and therefore is permanent (Tottenham & Sheridan, 2009). These findings provide evidence that social media use across the adolescent years predicts different brain development into adulthood underscoring the lasting effects of social media use on the brain in adulthood.

J. 11.10. Consideration of alternative causes

Effects are not due to pre-existing mental health problems.

368. One concern when examining the effects of social media on mental health is the possibility that any observed associations are simply due to pre-existing differences in mental health rather than a direct effect of social media use. However, the methodologies I and others have employed—particularly ecological momentary assessment (EMA) and longitudinal designs—help rule out this alternative explanation. EMA methods capture fluctuations in mood and social media use within the same individuals over time, rather than relying solely on between-person comparisons. This means that findings based upon EMA are not driven by pre-existing differences in mental health across individuals but rather reflect how changes in social media use correspond with changes in mood for each person. By repeatedly assessing the same individuals

in their daily lives, EMA reduces the reliance on retrospective self-reporting and minimizes recall bias, strengthening the validity of my conclusions. Moreover, within-person analyses control for any between person differences (e.g., differences between people in their mental health). Traditional between-person analyses compare individuals with varying levels of social media use to see whether those who use social media more tend to have worse mental health outcomes. However, this approach cannot distinguish whether social media itself is causing negative mood or whether individuals with pre-existing mental health problems are simply more likely to use social media in ways that reinforce their symptoms.

369. In contrast, within-person analyses track changes within the same individual over time, examining how fluctuations in social media use relate to fluctuations in mood or brain development. This approach inherently controls for stable, between-person characteristics, such as baseline mental health status, personality traits, or genetic predispositions, because each individual serves as their own control. For example, if an adolescent with a history of depression tends to use social media frequently, a between-person analysis might find an association between social media use and negative mood, but it would be unclear whether social media caused this mood state or whether pre-existing depression drove increased social media use. However, in a within-person design, we can ask: *When this same adolescent increases their social media use more than their usual level, does their mood decline?* If so, this suggests a direct effect of social media on mood, rather than just a reflection of pre-existing mental health problems.

370. Furthermore, within-person models also reduce the impact of stable confounds that vary between individuals—such as socioeconomic background, family environment, or long-standing mental health conditions—because these factors do not change within a person over short periods. By examining day-to-day (EMA studies) or year-to-year (longitudinal studies) changes,

we can be more confident that observed effects reflect the impact of social media use itself rather than pre-existing individual differences.

371. Finally, statistical controls for baseline mental health symptoms in these models further reinforce that my findings are not simply attributable to pre-existing conditions (for instance, see [Burnell et al. \(2024\)](#) where all relations held when controlling for between-person differences in baseline depression). By accounting for initial levels of depression, anxiety, or other psychological symptoms, studies can ensure that any observed relationships between social media use and subsequent mood or brain development cannot be explained by initial between-person differences in mental health. Taken together, the combination of EMA, within-person designs, and longitudinal analyses provides compelling evidence that the reported effects are not merely a result of pre-existing mental health problems but rather reflect meaningful changes in mood and brain development linked to social media use over time.

372. Here is a specific example from my work. The intensive longitudinal design featured in Burnell et al. (2025) examines if an individual engages in greater social media use than their own average in a given day, do they report poorer well-being on that day. Thus, this method examines the association that daily social media use has with well-being, *relative to each individual's usual usage*. Because of this, individual between-person differences such as pre-existing depression do not exert an effect on the averaged within-person association.

373. Nonetheless, our published supplemental analyses were run in which participants' overall reports of depressive symptoms were included as a between-person covariate (Burnell et al., 2024). Results indicated that depressive symptoms were associated with greater levels of daily anxious and depressive negative affect; in other words, participants who have higher preexisting depressive symptoms also report greater daily anxious and depressive symptom relative to their

peers. The within-person association between daily objective social media use and depressive negative affect did not change. This provides evidence that the observed associations we found are not due to pre-existing differences in mental health but rather are a direct effect of social media use.

Does spending time on social media lead to feeling worse, or does feeling bad lead to longer social media use?

374. A key question in understanding the psychological effects of social media is whether spending time on these platforms causes people to feel worse or whether individuals already experiencing negative emotions turn to social media as a way to cope. While social media can serve as a tempting tool for emotion regulation, with individuals seeking it as a quick fix for boredom, stress, or sadness, research suggests that the relationship may be more unidirectional, where excessive social media use actually precedes declines in mood, rather than the other way around.

375. Research using EMA to track real-time fluctuations in mood are able to test whether mood precedes social media use or whether social media use precedes declines in mood. Kang et al. (2023) found that adolescents who exceeded their typical daily social media use reported subsequent increases in negative affect. They did not observe any evidence of positive or negative affect preceding social media use, suggesting that affect is not a significant predictor of time spent on social media. These findings suggest that excessive engagement with social media, rather than preexisting distress, plays a causal role in worsening emotional well-being.

376. Moreover, experimental research further supports the idea that social media can lead to negative emotional outcomes. In a study by Hunt et al. (2018), participants were randomly assigned to either continue their typical social media use or reduce their usage to 30 minutes per

day for three weeks. Those who reduced their social media consumption experienced significant reductions in loneliness and depressive symptoms, providing causal evidence that social media engagement can contribute to poor mental health, and reducing social media use can improve mental health.

377. Taken together, while social media is often sought out as a means of emotion regulation, the evidence suggests that it may instead exacerbate negative emotions, particularly when used excessively. Spending more time on social media than usual appears to precede increases in negative affect, rather than social media simply being a refuge for those already feeling distressed.

Effects are not due to the COVID-19 pandemic

378. The research conducted in my laboratory and discussed in this report show (1) that social media behaviors change brain development and neural sensitivities make some youth more vulnerable to develop addiction like social media use; (2) social media behaviors are linked to momentary changes in mood and well being. Habitual social media behaviors in early adolescence predicts longitudinal changes in the developing brain across mid adolescence (Maza et al., 2023). These findings cannot be attributed to the COVID-19 pandemic for two key reasons:

379. First, the research conducted in my laboratory is longitudinal with up to 3 measures collected in each adolescent across 3 annual yearly assessments. Because we are examining changes *within* adolescents (as opposed to population level or cross-sectional studies that rely on *between* person effects), we can make confident causal claims about effects. For a particular adolescent who checks social media more, their brain changes in a fundamentally different way than a person who never checks social media. Because all adolescents were exposed to the COVID-

19 pandemic, this cannot explain why some adolescents showed changes in their brains, and others did not. Only social media experiences can explain this finding.

380. Second, the data presented in this report were collected before the pandemic. The data collection began in 2016 and including yearly fMRI scans for 3 years. Data collection for this publication ended in 2019, prior to the onset of COVID-19. Therefore, before adolescents ever experienced the COVID-19 pandemic, they already showed changes in their brain development that was explained by their prior social media behaviors.

Effects are not due to the device itself.

381. Social media, by its very design, introduces unique challenges for adolescents that extend far beyond the device itself. Unlike passive screen activities, social media platforms are engineered to capture and hold attention through interactive and socially driven features. Constant notifications, algorithm-driven feeds, and infinite scrolling create an environment where immediate feedback and validation are continuously accessible (Montag et al., 2019). The emphasis on likes, shares, and comments creates a feedback loop that can undermine self-esteem and contribute to feelings of inadequacy when adolescents compare their everyday lives to the highlight reels posted by peers. Such social pressures, coupled with the unpredictable and often hyper-stimulating content that algorithms prioritize, can intensify stress and negatively impact mental health. **These effects are not inherent to the use of digital devices but are a consequence of the specific features and design choices of social media platforms that target adolescent vulnerabilities.**

382. The perpetual stream of engagement not only disrupts the focus required for academic pursuits but also conditions adolescents to expect immediate rewards, making it harder for them to concentrate during class or on tasks that demand sustained attention. Furthermore,

social media platforms are designed to be engaging at any time of the day or night, with features that encourage late-night usage. The stimulating nature of social media content hinders the ability to wind down before bedtime. Engaging with social media typically involves exposure to emotionally charged, unpredictable content which can elevate arousal levels and disrupt natural circadian rhythms. Although the blue light emitted from phone screens can disrupt the release of melatonin needed for sleep, the highly stimulating content on social media keep adolescents up late at night, as they are unable to disconnect from the apps to sleep. While screens and digital devices serve as tools for a variety of tasks, it is the uniquely disruptive features of social media that lead to diminished focus in academic settings, disturbed sleep patterns, and adverse mental health outcomes. Devices provide the medium, but it is the inherent structure and features and interactive nature of social media that create an environment particularly detrimental to adolescent development. By fostering immediate gratification, disrupting focus and sleep, and amplifying social and emotional pressures, social media poses distinct challenges.

Problematic social media use is due to platform features and not just time spent on social media or content.

383. Problematic social media use or addiction-like social media is not solely a function of time spent online but is rooted in the design features of these platforms, which exploit cognitive and neural mechanisms to maximize engagement. Social media platforms leverage reinforcement learning principles, using variable reward schedules, such as unpredictable likes, comments, and shares (Montag et al., 2019). The platform design and promotion of social relationships also takes advantage of the adolescent's brain development and desire for positive peer feedback and to belong to the group. Moreover, unpredictable rewards strengthens the habit, as the brain learns to anticipate that another rewarding post, notification, or streak might be just a few swipes away,

mirroring the psychological mechanisms underlying behavioral addictions, such as gambling, where unpredictable rewards lead to compulsive behaviors via reward system activation in the brain (Clark et al., 2009). Importantly, the culprit to understand addiction-like social media behaviors is not the smartphone itself, the overall time spent on the phone, or even the content with which a user interacts, but rather the use of social media applications installed on smartphones that embed features that are designed to keep users occupied as long as possible (Montag et al., 2019).

384. Unlike substance use disorders, where addiction is typically dose-dependent—meaning the more of a substance consumed, the greater the risk of addiction—social media addiction does not always follow the same pattern. Instead, it is primarily driven by the features of the platform rather than solely total time spent engaging with it. Indeed, our own work has shown that adolescents who report higher levels of addiction-like social media behaviors and who subjectively indicate they feel addicted to social media do not spend overall more time on social media platforms, as measured objectively (Burnell, Trekels, et al., 2024). This evidence suggests that the mechanisms underlying social media addiction are not simply about prolonged exposure but rather about how the platform is designed to sustain compulsive engagement.

385. Social media platforms leverage psychological and neurobiological vulnerabilities to maximize user engagement, employing features such as infinite scrolling, algorithmic content, and intermittent reward schedules, all of which mirror mechanisms found in other behavioral addictions. These features create a self-reinforcing loop where users continue engaging, not because of the sheer time available to them, but because the platform makes it difficult to stop. For instance, variable rewards in the form of unpredictable delivery of likes, comments, or viral content, activate the brain's dopaminergic reward system (██████ et al., 2018). Auto-play functions and personalized recommendations increase the motivational relevance of the content,

activating the brain's salience network, which ensures that each piece of content is engaging, while also removing natural stopping points that would otherwise encourage disengagement (Su et al., 2021). The problematic behaviors, therefore, are not about how much time an adolescent is using social media but about how the platform interacts with their cognitive and emotional vulnerabilities.

386. Addiction-like social media use is also not tied to the specific type of content on the platform but rather to the features that facilitate compulsive use. Features like infinite scrolling, autoplay, and algorithmic recommendations create a continuous loop of engagement. Unlike other addictions, which are often tied to specific substances or behaviors, social media addiction is content agnostic, meaning that users can develop addictive behaviors regardless of what they are consuming. A user may become deeply engaged with certain types of content because the social media platform continuously amplifies more of that content, even though it may not hold intrinsic addictive qualities. This process can lead to users becoming engrossed in content that they might otherwise have little interest in, had it not been for the platform's personalized amplification. The key factor is not the subject matter but rather the way the platform detects, amplifies, and delivers personalized content to sustain engagement. Unlike substance use disorders, where addiction is primarily driven by the dose of the substance consumed, problematic social media use is driven by behavioral reinforcement mechanisms embedded within the platform's architecture. These features encourage compulsive engagement regardless of the quantity or type of content being consumed.

Sample size considerations

387. Although there are recent calls for large samples in fMRI datasets to ensure replicability (Turner et al., 2018), fMRI research can yield reliable and meaningful results, even

with small sample sizes, provided that certain methodological standards are met (Nee, 2019). These are detailed below.

388. **First**, reliability is significantly enhanced when there are enough within-person measurements. This means collecting multiple observations from the same individuals across different time points or sessions. While Turner et al. (2018) indicate samples of at least 100 are needed for replicability, this is based on short scan protocols (i.e., fewer within person measurements), which is not broadly generalized to the field, which tends to scan for longer (Nee, 2019). Indeed, when maximizing within-person measurements, many fewer participants are needed to ensure reliability (Nee, 2019). Given that within- and between-subject variability can differ substantially from study to study, making uniform recommendations for sample sizes in fMRI research is challenging (Nee, 2019). Nevertheless, when both sufficient within-person measurements and rigorous task designs are employed, studies with as few as 23 participants can achieve high levels of replicability (Nee, 2019).

389. **Second**, the design of the task used in the fMRI study plays a critical role in determining the quality and replicability of the data. A well-designed task robustly engages the targeted cognitive or emotional processes while minimizing confounding influences. For instance, tasks with clear contrasts between experimental and control conditions allow for more precise isolation of specific neural mechanisms (Poldrack, Mumford & Nichols, 2024; Huettel, Song & McCarthy, 2014). Including appropriate control conditions is essential to rule out alternative explanations, such as general sensorimotor or attentional activation, which might otherwise confound interpretation (Huettel, Song & McCarthy, 2014). Moreover, tasks that are behaviorally validated and yield consistent performance across participants help ensure that the neural data are meaningful and comparable, particularly when examining developmental changes (Telzer,

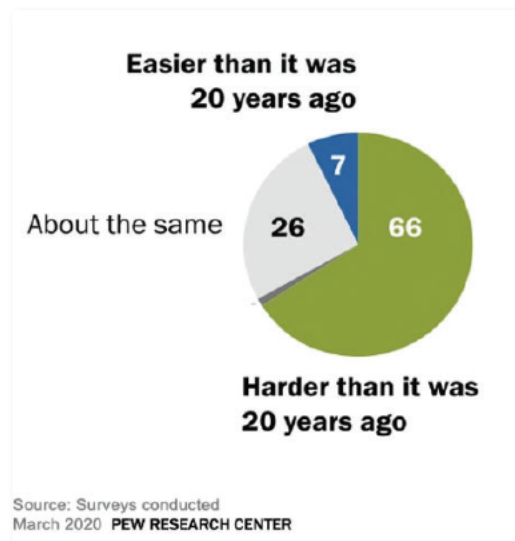
McCormick et al., 2018). Reduction in MRI scanner related variance, optimized acquisition parameters, as well as well-designed fMRI task paradigms all help to improve the signal-to-noise ratio (SNR) and increase reliability in fMRI designs (Herting et al., 2018). Given that task design differs substantially between studies, the reliability of the fMRI signal is task and contrast of interest specific, and can even differ across brain regions, making recommendations for sample sizes challenging (Herting et al., 2018). For instance, reliability in a sample of 104 adolescents ranges from poor to excellent depending on the brain region examined (Herting et al., 2018), and reliability in a sample of 12 youth ranges from poor to excellent depending on the brain region examined (Herting et al., 2018).

390. Together, these insights underscore that while larger sample sizes are generally beneficial, the reliability of fMRI research does not hinge on sample size alone. Instead, it is the combination of repeated within-person measurements and thoughtfully designed tasks that lays the foundation for robust, replicable neuroscience findings.

K. 11.11. Parenting

391. As part of my work at UNC-Chapel Hill, I teach on parenting in the age of social media. One of the hardest things about parenting today with digital technology is that parents don't have their own experiences to rely on. Social media and technology have created one of the largest generation gaps. For the current generation of adolescents, there is a huge cohort effect. Teens' lives are different than their parents' lives were. Teens experience all kinds of things that their parents never experienced and may not understand. Parenting is difficult in that way. They have less knowledge of how social media and technology work, how teens are using it, and they tend to have less control.

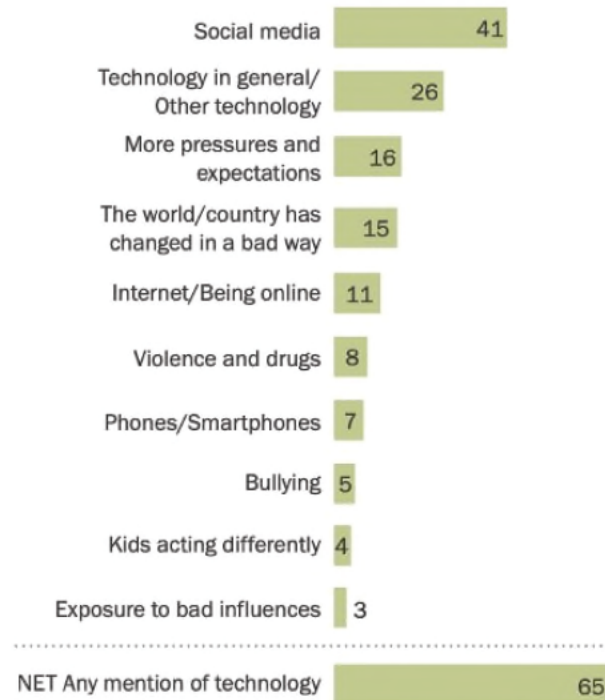
392. When asked whether parenting is harder than it was 20 years ago, 66% of parents say they believe it is harder today. Just 7% think it is easier, while 26% believe parenting is about the same as it was two decades ago



393. Parents cite a number of different reasons why being a teenager is more difficult today. The most common reason is social media, reported by 41% of parents.

Technology, especially social media, is the top reason parents think it's harder being a teen today

Among the 69% of U.S. parents of teens ages 13 to 17 who say being a teenager today is **harder** than it was 20 years ago, % who say it's harder because of ...



Note: Verbatim responses have been coded into categories. Only responses given by at least 3% of respondents are shown. Refer to the topline for the full list of categories. Up to three responses were coded; because of this, figures may not add up to 100%, and the individual tech categories may not add up to the NET tech category. Source: Survey conducted Sept. 26-Oct. 23, 2023. "Why many parents and teens think it's harder being a teen today"

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394. A survey in 2012 indicated that parents report both positive and negative impacts of the internet for adolescents. For instance, the majority of parents (88%) think the internet is excellent or good for connecting their child to information, as well as for connecting their child to friends and family. 67% think the internet is good for helping their child be more independent. So, the majority of parents think there is some good to the internet.

	Excellent	Good	Total saying positive impact	Fair	Poor	Total saying not positive impact
Connecting your child to information	48%	40%	88%	9%	2%	11%
Connecting your child to friends and family	40%	48%	88%	9%	3%	11%
Helping your child be more independent	21%	46%	67%	22%	8%	31%

Source: Surveys conducted July – Sept
2012 **PEW RESEARCH CENTER**

395. 81% of parents are very concerned or somewhat concerned that the internet will expose their children to inappropriate content; 80% are concerned about how teens treat each other online, and 63% are concerned that time on the internet taking away time from face-to-face interactions.

	Very concerned	Somewhat concerned	Total citing concerns about negative impact	Not too concerned	Not at all concerned	Total saying they have little concern
Your child's exposure to inappropriate content through the internet or cell phones	47%	34%	81%	9%	9%	19%
How teens in general treat each other online or on their cell phones	45%	35%	80%	10%	9%	19%
Your child's internet or cell phone use taking time away from face-to-face interactions with friends or family	31%	33%	63%	20%	16%	36%

Source: Surveys conducted July – Sept
2012 **PEW RESEARCH CENTER**

Most parents agree that the potential harms outweigh the potential benefits.

% of U.S. parents who say the following statements most accurately describes how they feel about children who are 11 years old or younger having access to a smartphone



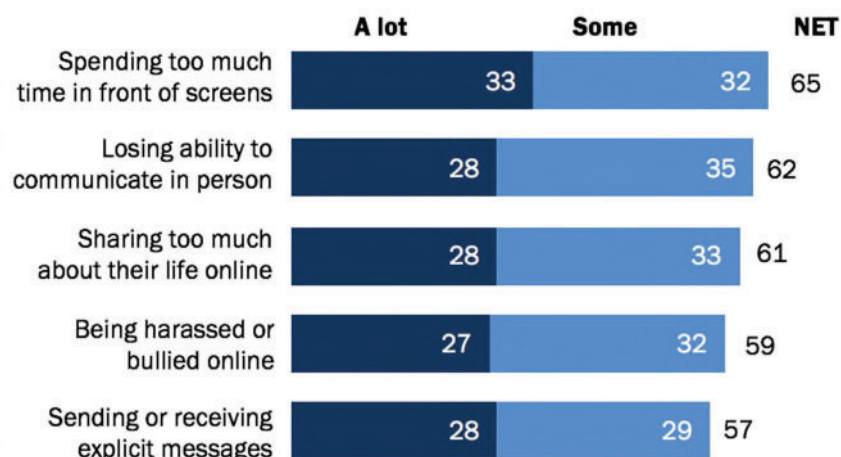
Source: Surveys conducted

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What are parents most concerned about?

396. Roughly two-thirds of parents of teens (65%) say they worry at least some about their teen spending too much time in front of screens, including a third who worry a lot about this. Parents express concern about other potentially negative online experiences for their kids: they worry a lot or some about their teen losing the ability to have in-person conversations, sharing too much about themselves online, being bullied online or exchanging explicit messages.

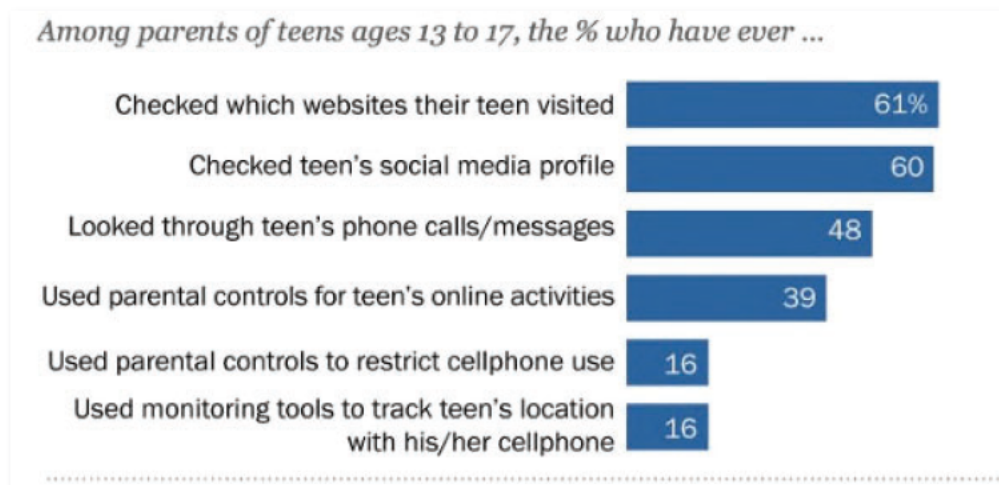
% of U.S. parents of teens who say they worry ___ about their teen ...



Source: Surveys conducted March – April
2018 **PEW RESEARCH CENTER**

Do parents monitor their children's online behaviors?

- 61% of parents say they have ever checked which websites their teen visits.
- 60% have ever checked their teen's social media profiles.
- 48% have ever looked through their teen's phone call records or text messages.
- even as parents use a number of these hands-on methods to monitor their teen, they are relatively less likely to use technology-based tools to monitor, block or track their teen
- 39% of parents report using parental controls for blocking, filtering or monitoring their teen's online activities.
- 6% use parental controls to restrict their teen's use of his or her cellphone.
- 16% use monitoring tools on their teen's cellphone to track their location
- In total, 84% of parents report taking at least one of these six steps to monitor or restrict their child's online activities, while 16% indicate that they have not taken any of these actions with their teen. Another 16% say they do one of these activities, while just under half of parents (45%) take between two or three of these actions. Other parents are especially vigilant: 19% have taken four or five of these steps, while 5% indicate that they have taken all six.

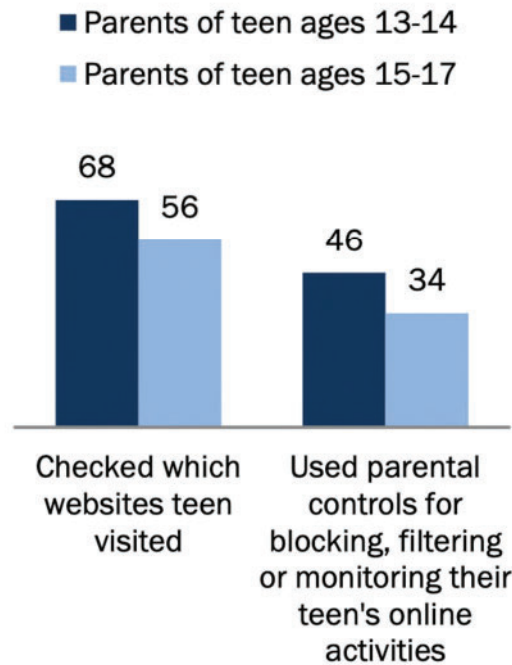


Source: Surveys conducted Sept. 25-Oct. 9, 2014, and Feb. 10-March 16, 2015.

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397. Parents of younger teens tend to keep a more watchful eye on the types of websites their teen visits and are also more likely to use parental tools to monitor or block online content.

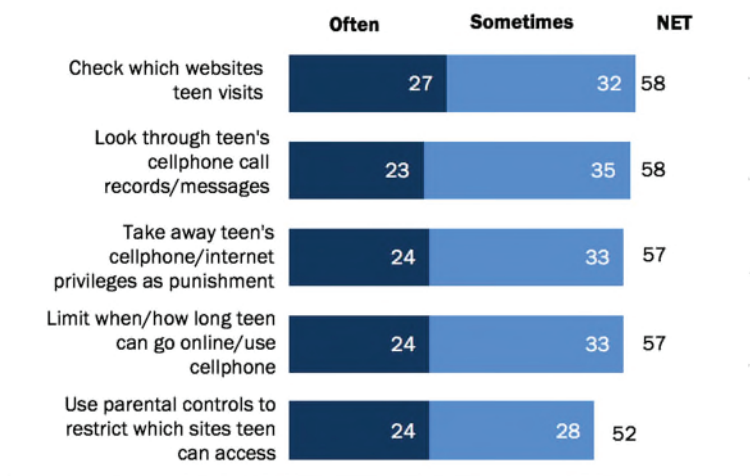
% of U.S. parents of teens who have ever done the following actions, comparing parents of teens who are younger and older



Source: Surveys conducted Sept. 25-Oct. 9, 2014, and Feb. 10-March 16, 2015.

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398. Given their concern, parents take many different actions to monitor what their teens do. 58% parents say they often or sometimes check which websites their teen visits or look through their child's cellphone call logs or messages. 52% of parents say they at least sometimes use parental controls to restrict which sites their teen can access. 57% of parents say they often or sometimes take away their teen's cellphone or internet privileges as punishment. At the same time, it's common for parents to limit their teens' access to technology regardless of their child's conduct: 57% of parents report limiting the times of day or how often their teen can go online or use their cellphone.

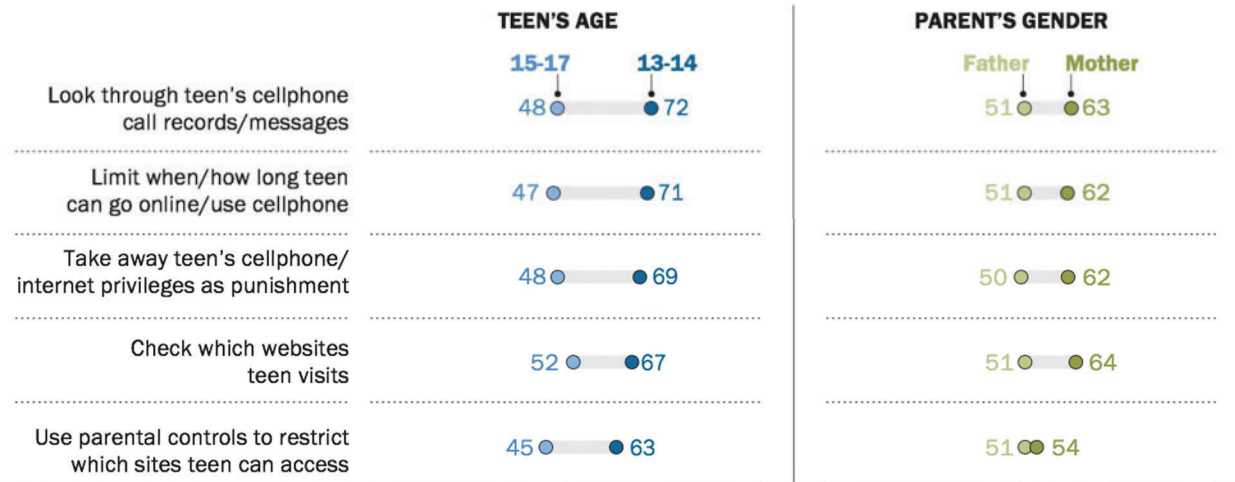


Source: Surveys conducted March – April
2018 **PEW RESEARCH CENTER**

399. This varies by the teen's age. Parents of teens ages 13 to 14 are significantly more likely than parents of older teens to monitor their teen's digital activities or enforce screen time restrictions. For example, 72% of parents of 13- to 14-year-olds say they often or sometimes look at the messages and call logs on their teen's cellphone, compared with 48% of parents of teens ages 15 to 17. 71% of parents of younger teens say they at least sometimes set screen time limits, compared with 47% of those with an older teen.

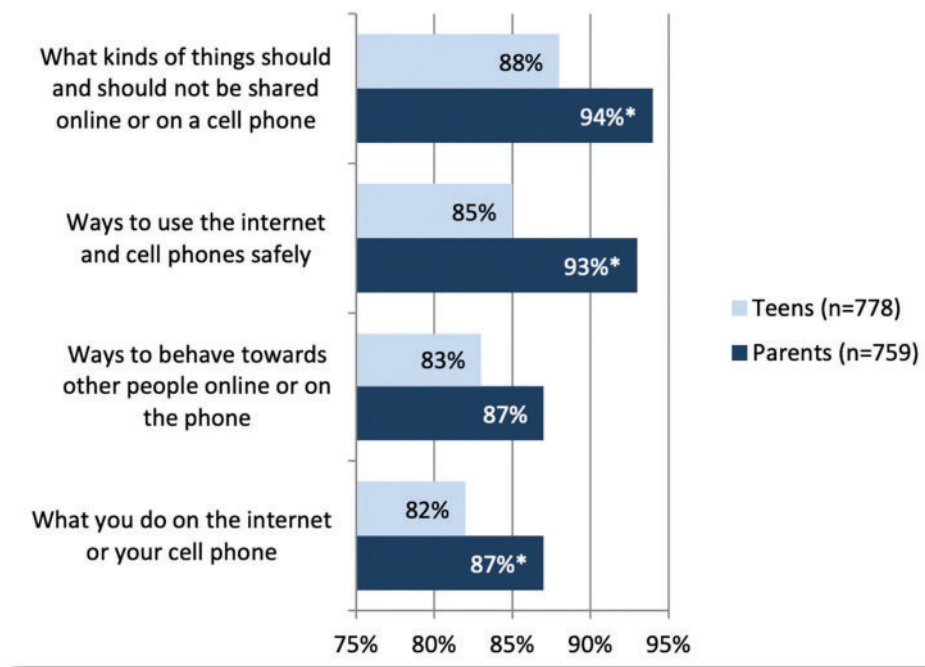
400. Additionally, mothers are more likely than fathers to regularly track what their teen does online. Two-thirds of mothers of teens say they at least sometimes check their teen's web history or cellphone records, set screen time limits or take away digital privileges as punishment, compared with about half of fathers who say they take these actions.

% of U.S. parents of teens who say they *often or sometimes* ...



Source: Surveys conducted March – April 2018 PEW RESEARCH CENTER

401. Parents report higher levels of discussions than teens do, so perhaps parents overestimate how meaningful these discussions are to their teens who may not be listening or who disregard or down weight the importance of such conversations. For instance, in a 2012 study, 94% of parents indicated they talked to their child about what kinds of things should be shared online, whereas only 88% of teens reported their parents had these conversations.



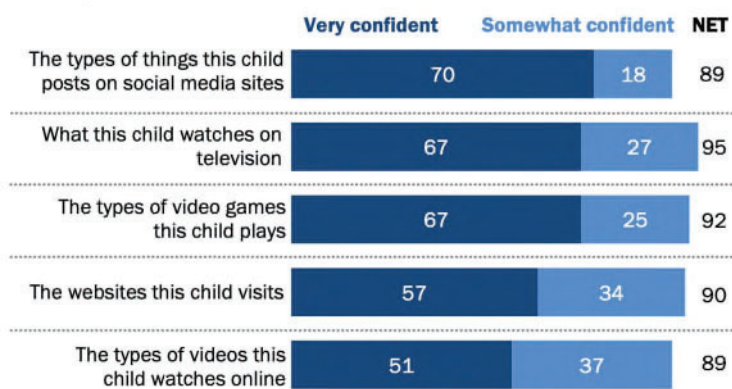
Source: Surveys conducted July – Sept
2012 PEW RESEARCH CENTER

Are parents aware of what's happening in their child's online worlds?

88% of parents are confident they know about the types of things their child posts on social media.

Majority of parents are very confident they know what their child posts on social media, watches on TV

% of U.S. parents of a child age 5 to 11 who say they are ___ that they are aware of...

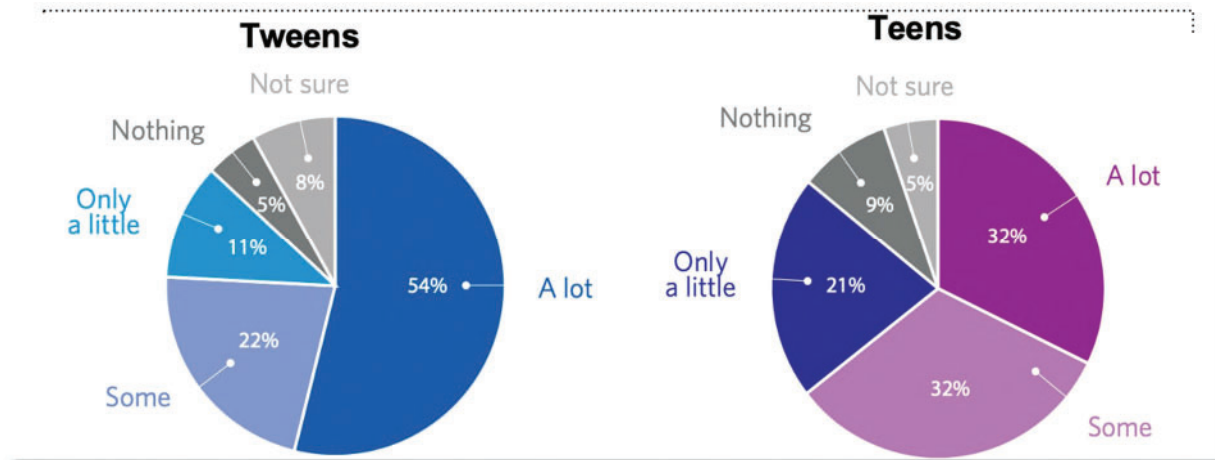


Source: Surveys conducted

March 2020 PEW RESEARCH CENTER

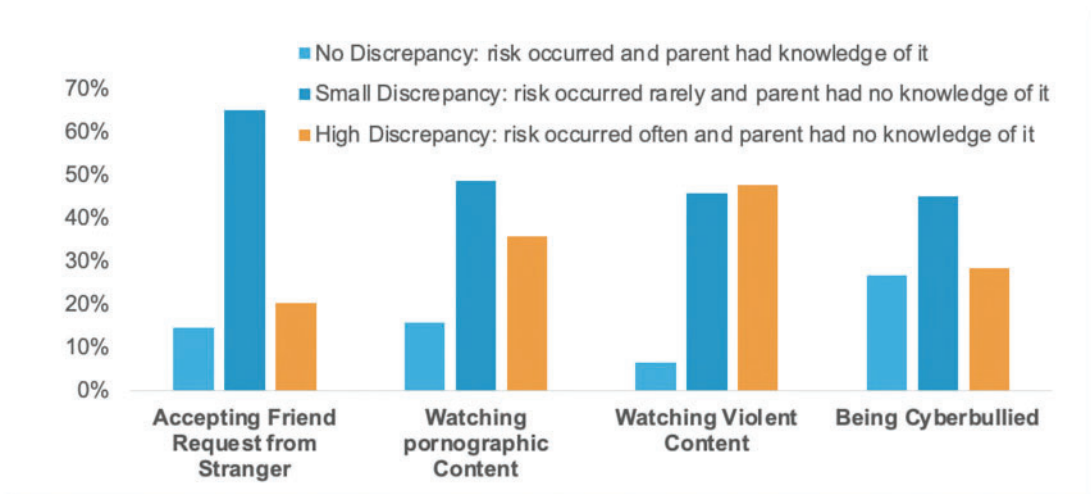
402. However, teens do not think their parents are aware of their social media behaviors. Whereas the majority of tweens say their parents know “a lot” about the various media they use,

most teens say their parents don't know "a lot" about the media they use, with only about a third of teens say their parents know "a lot" about what they do on social media. Compare this to 89% of parents who are very confident or somewhat confident about their child's social media use.



403. If we compare teens reports to parents reports in the same family, the discrepancy is even more striking. One study investigated parental knowledge about adolescents' online activities and experiences with online risks²³. In the figure below, no discrepancy means that the risk occurred (according to the child) but that the parent had knowledge of it; low discrepancy means that the risk occurred rarely and that the parent had no knowledge of it; and high discrepancy means that the risk occurred more often and that the parent had no knowledge of this.

²³ Symons et al., 2017



404. Overall, parental knowledge was low, and the majority of parents were not aware of the occurrence of any of the online risks. Parents were most likely to know about the occurrence of cyberbullying victimization. Nevertheless, only about one in four mothers knew about the occurrence of this risk. Parents were the least likely to know that their child had watched violent content. Consistent with offline problem behavior such as sexual activity, substance use, and aggressive behavior, parents have a tendency to form an overly positive perspective of their child's behavior (Stanton et al. 2000).

405. Similar findings have been observed in research conducted by the Pew Research Center in 2020. Nearly all parents (96%) indicate that their child has never been harassed or bullied online. Moreover, 92% of parents indicate they are very or somewhat confident their child would tell them if they were bullied or harassed online. And yet, another study conducted by the Pew Research Center in 2020 showed that about half of youth have experienced some form of online harassment (see Figures below).

Nearly all parents say their young child has not been harassed or bullied online ...

% of U.S. parents of a child age 5 to 11 who say ...



... and roughly six-in-ten say they are very confident their child would tell them if they were being harassed or bullied online

% of U.S. parents of a child age 5 to 11 who say they are ___ confident that their child would tell them if they were being harassed or bullied online



Note: If parent has multiple children, they were asked to focus on one child when answering this question. Those who did not give an answer are not shown.

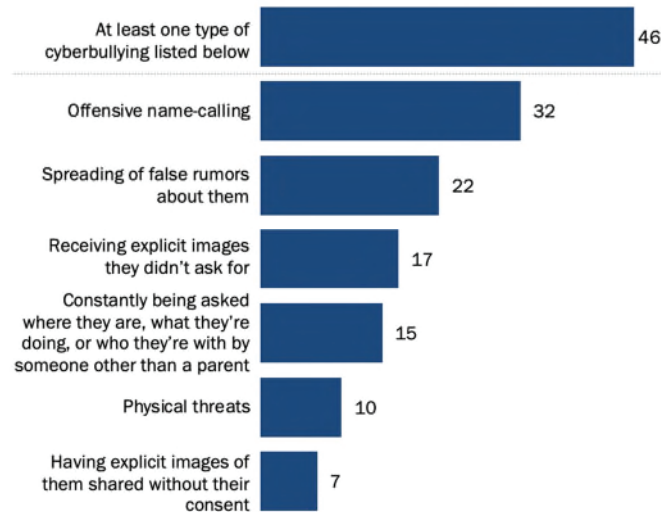
Source: Survey of U.S. adults conducted March 2-15, 2020.

"Parenting Children in the Age of Screens"

PEW RESEARCH CENTER

Nearly half of teens have ever experienced cyberbullying, with offensive name-calling being the type most commonly reported

% of U.S. teens who say they have ever experienced ___ when online or on their cellphone



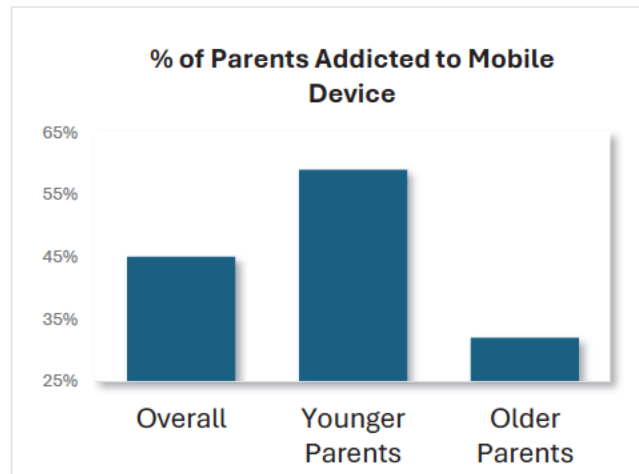
Note: Teens are those ages 13 to 17. Those who did not give an answer are not shown.

Source: Survey conducted April 14-May 4, 2022.

"Teens and Cyberbullying 2022"

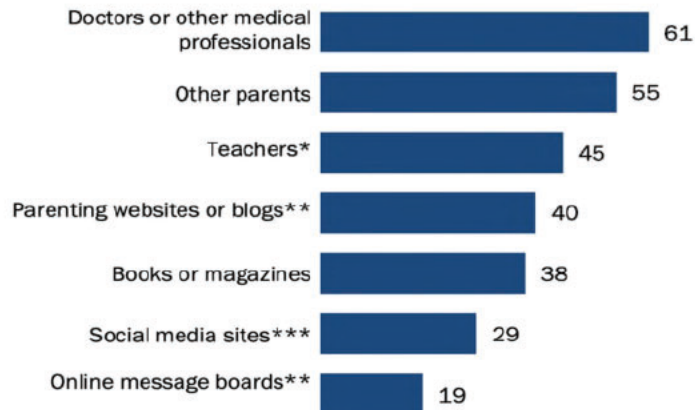
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406. Perhaps it's not surprising to see that 45% of parents indicate they feel addicted to their mobile device. And this is higher in younger parents, with 59% of younger parents reporting being addicted to their mobile devices compared to 32% of older parents



Majority of parents turn to doctors or other parents for advice or information about screen time

% of U.S. parents of a child age 11 or younger who say they ever get parenting advice or information about screen time from ...



*Based on parents of a child age 5 to 11.

**Based on internet users.

***Based on social media users.

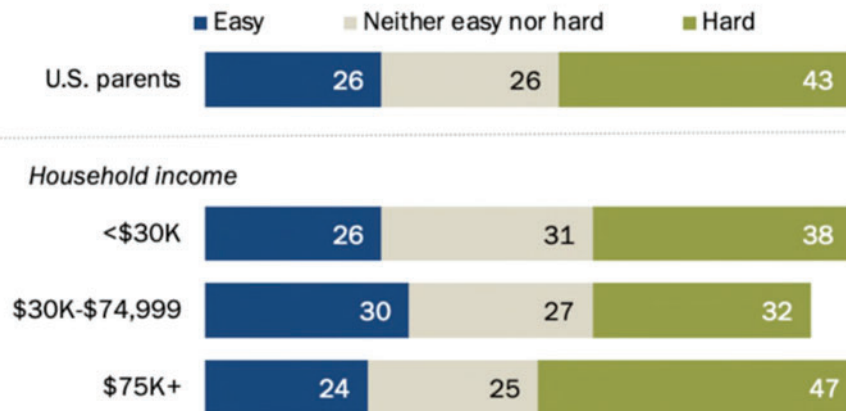
Note: Those who did not give an answer are not shown.

Source: Survey of U.S. adults conducted March 2-15, 2020.

"Parenting Children in the Age of Screens"

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% of U.S. parents of teens ages 13 to 17 who say managing the amount of time their teen is on their smartphone is ...



Note: Those who did not give an answer, including parents whose teen does not have a smartphone, are not shown.

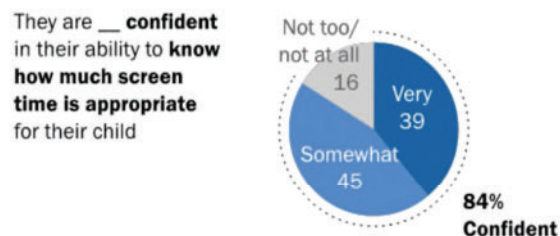
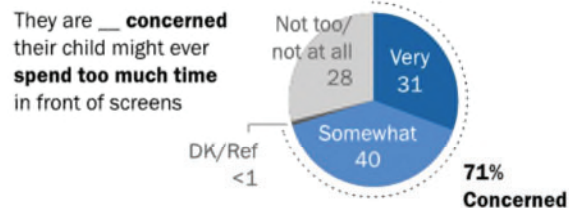
Source: Survey conducted Sept. 26-Oct. 23, 2023.

"How Teens and Parents Approach Screen Time"

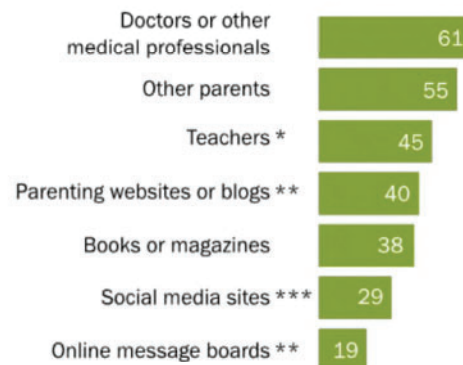
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A majority of parents are concerned that their child might ever spend too much time on screens and have reached out to doctors for advice about this

% of U.S. parents of a child age 11 or younger who say ...



They ever get **parenting advice or information** about screen time from ...



*Based on parents of a child age 5 to 11.

**Based on internet users.

***Based on social media users.

Note: If parent has multiple children, they were asked to focus on one child when answering this question. Those who did not give an answer are not shown.

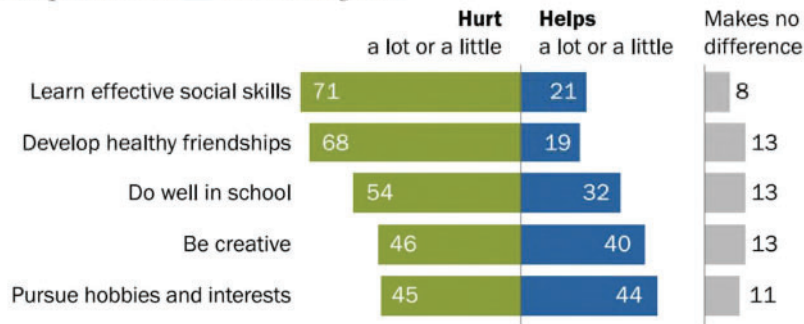
Source: Survey of U.S. adults conducted March 2-15, 2020.

"Parenting Children in the Age of Screens"

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Roughly seven-in-ten parents say smartphones will hurt children's ability to develop healthy friendships, learn social skills

% of U.S. parents who say that children age 11 or younger using smartphones will ___ their ability to ...



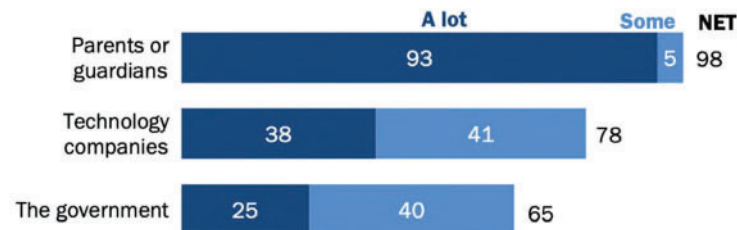
Note: Based on parents who have at least one child under the age of 18 but may also have an adult child or children. Those who did not give an answer are not shown.

Source: Survey of U.S. adults conducted March 2-15, 2020.

"Parenting Children in the Age of Screens"

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% of U.S. parents who say the following groups have ___ (of) responsibility in protecting children from inappropriate content online



Note: Based on parents who have at least one child under the age of 18 but may also have an adult child or children. Those who did not give an answer or who gave other responses are not shown.

Source: Survey of U.S. adults conducted March 2-15, 2020.

"Parenting Children in the Age of Screens"

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407. The above research illustrates the complexities of parenting in an ever-increasing digital world that is dominated by social media. Parents are not fully informed of the risks of social media and how using social media will affect their child's developing brain. It's incumbent that tech companies are forthcoming about the risks of their platforms. Ultimately, families need better

tools to facilitate decision making around social media use for their children. No parent can be expected to stand over their children 24/7 in an attempt to protect them from both changes to their developing brain and other harms.

XII. Conclusion

408. Based on the above, it is my opinion that to a reasonable degree of scientific certainty, heavy social media use changes the functional and structural development of children's brains. As a result, social media use can cause a number of negative mental health harms, including depression, anxiety, and loss of sleep. Despite these negative effects, social media is designed to engage adolescents indefinitely; problematic or addictive usage of social media is well-recognized within the literature and supported by neuroscience. Children who use social media can have decreased attention spans, become easily distracted, and find their ability to learn is diminished. Ultimately, these effects carry into the classroom, and children are picking up their phone and using social media for significant portions of each school day. In sum, the advent of social media has altered how children grow, develop, and learn.

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Exhibit A

EVA H. TELZER, PhD**CURRICULUM VITAE****A) PERSONAL**

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B) EDUCATION

2007 – 2012	University of California, Los Angeles, Ph.D., Psychology
2006 – 2007	University of California, Los Angeles, M.A., Psychology
2004 – 2006	National Institutes of Health, Post Baccalaureate Intramural Research Trainee
2000 – 2004	Mount Holyoke College, B.A., Psychology, <i>Magna cum Laude</i>

C) PROFESSIONAL EXPERIENCE

2025 – present	Co-Director, Winston Center for Technology and the Developing Mind, pan-campus Center, University of North Carolina at Chapel Hill
2023 – present	Professor, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
2022 – present	Program Director, Developmental Psychology, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
2022 – 2025	Co-Director, Winston Center for Technology Use, Brain, and Psychological Development, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
2019 – 2023	Associate Professor, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
2016 – present	Faculty, Biomedical Research Imaging Center, School of Medicine, University of North Carolina at Chapel Hill
2016 – 2019	Assistant Professor, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
2016 – 2021	Faculty, Carolina Consortium on Human Development, Chapel Hill
2016 – 2018	Adjunct Assistant Professor, Department of Psychology, University of Illinois at Urbana Champaign
2015 – 2016	Faculty, Neuroscience Program, University of Illinois at Urbana Champaign
2012 – 2016	Faculty, Beckman Institute for Advanced Science and Technology, Cognitive Neuroscience Group, University of Illinois at Urbana Champaign
2012 – 2016	Assistant Professor, Department of Psychology, University of Illinois at Urbana Champaign

D) HONORS

2022	Distinguished Scientific Award for Early Career Contribution to Psychology, American Psychological Association
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2021	Teaching commendation, PSYC 180, University of North Carolina Chapel Hill
2020	Teaching commendation, PSYC 781, University of North Carolina Chapel Hill
2020	Boyd McCandless Award for Early Career Contribution to Developmental Psychology, American Psychological Association Division 7
2019	Young Investigator Award, Flux Congress, Society for Developmental Cognitive Neuroscience
2019	Psychology Club Award for Outstanding Research Mentorship, University of North Carolina Chapel Hill
2018	Early Career Award, Society for Research on Adolescence
2015	Rising Star Award, Association for Psychological Science
2014	List of Teachers Ranked as Excellent by their Students, University of Illinois
2014	Jacobs Foundation Invited Participant, <i>Making Connections: How Neural Development and Social Experience Interact to Create Productive and Socially Engaged Youth</i>
2014	Jacobs Foundation Young Scholar, <i>Men as Fathers: Interdisciplinary Perspectives on Fatherhood in the Context of the Family</i>
2014	Thornberg Dissertation Award, Society for Research on Adolescence
2013	List of Teachers Ranked as Excellent by their Students, Outstanding Rating (course ratings in top 10% of all faculty at the College level), University of Illinois
2013, 2014, 2015	University of Illinois Scholars Travel Award
2013	Outstanding Dissertation Award, Society for Research on Child Development
2013	Council of Graduate Schools/ProQuest Distinguished Dissertation, National Finalist
2012	Millard Madsen Distinguished Dissertation Award, UCLA
2012	Cognitive Neuroscience Society Graduate Student Award
2011	Graduate Division Portable Supplement Fellowship, UCLA
2011	Sackler Colloquia of the National Academy of Sciences Travel Award
2011	Society for Research on Child Development Travel Award
2010	Summer Fellow, The European Association for Research on Adolescence and Society for Research on Adolescence
2010	Summer Fellow, University of Michigan Advanced fMRI Training Course
2010	Society for Personality and Social Psychology Travel Award
2009	UCLA Interdisciplinary Relationship Science Program Travel Award
2009	Fellow, University of Wisconsin Madison Health Emotions Research Institute
2009	Summer Fellow, UCLA Advanced Neuroimaging Training Program
2008	Faculty Selected Fellow, The European Society for Developmental Psychology and Jacobs Foundation Summer School on Immigration and Development
2007	Graduate Summer Research Mentorship Award, UCLA
2007	Summer Fellow, Sackler Institute for Developmental Psychobiology and John Merck Fund Institute on the Biology of Developmental Disabilities
2007 – 2010	National Science Foundation, Graduate Research Fellowship
2006	University First Year Fellowship, UCLA
2004 – 2006	Intramural Research Training Award, National Institutes of Health
2004	High Honors, Senior Honor's Thesis, Mount Holyoke College
2004	Magna Cum Laude, Mount Holyoke College
2004	Mary Lyon Scholar, Mount Holyoke College

E) BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

†mentored student author

Books

1. Nesi, J., **Telzer, E.H.**, & Prinstein, M.J. Eds. (2022). *The Handbook of Adolescent Social Media Use and Mental Health*. Cambridge University Press. <https://doi.org/10.1017/9781108976237>
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2. Shipkova, M[†], Dai, J[†], Lindquist, K.A. & **Telzer, E.H.** (in press). Neurodevelopment of emotional processes in adolescent social contexts. In J. Armony and P. Vuilleumier (Eds). 2nd edition. *The Handbook of Affective Neuroscience*. Cambridge University Press.
3. Do, K.T[†], Prinstein, M.J., & **Telzer, E.H.** (2024). Neurobiological susceptibility to peer influence in adolescence. In K.C. Kadosh (Ed). *Oxford Handbook of Developmental Cognitive Neuroscience*. Oxford University Press. <https://doi.org/10.1093/oxfordhb/9780198827474.001.0001>
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5. Flannery, J.S[†], Maza, M.T[†], Kilic, Z[†], & **Telzer, E.H.** (2023). Cascading bidirectional influences of digital media use and mental health in adolescence. *Advances in Child Development and Behavior*, 64, 255-287. <https://doi.org/10.1016/bs.acdb.2022.10.003>
6. Turpyn, C[†]. & **Telzer, E.H.** (2022). Parenting and brain development. In A.S. Morris & J. Mendez Smith (Eds). *The Cambridge Handbook of Parenting: Interdisciplinary Research and Application*. Cambridge University Press, New York, NY. <https://doi.org/10.1017/9781108891400>
7. **Telzer, E.H.**, Kwon, S[†], & Jorgensen, N.A[†]. (2022). Neurobiological development in adolescence and early adulthood: Implications for positive youth adjustment. In L. Crockett, G. Carlo, & J. Schulenberg (Eds). *APA Handbook of Adolescent and Young Adult Development*. American Psychological Association. <https://doi.org/10.1037/0000298-000>
8. **Telzer, E.H.**, van Hoorn, J[†], Rogers, C.R[†]. & Do, K.T[†]. (2018). Social influence on positive youth development: A developmental neuroscience perspective. *Advances in Child Development and Behavior*, 54, 215-258. <https://doi.org/10.1016/bs.acdb.2017.10.003>
9. Causadias, J.M., **Telzer, E.H.**, & Gonzales, N.A. (2018). Introduction to culture and biology interplay (pgs. 465-488). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>
10. Qu, Y[†]. & **Telzer, E.H.** (2018). Developmental cultural neuroscience (pgs. 3-30). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>
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1. **Telzer, E.H.**, Escalante, E[†], Jack, D[†], & Tsai, R[†]. (in press). How social and cultural processes shape adolescents: An ecocultural transactional framework of adolescent brain development. *Annual Review of Developmental Psychology*.
2. Garrett, S[†], Burnell, K., Trekels, J[†], Prinstein, M., & Telzer, E. (in press). Understanding adolescents' family communication during COVID-19: An ecological momentary design study. *Developmental Psychology*.
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REFEREED UNPUBLISHED ORAL PRESENTATIONS

Selected Conference Talks

†mentored student author

1. **Telzer, E.H.** (2025, April). Challenging stereotypes of teens: A developmental neuroscience perspective on the risks and opportunities of adolescence. Keynote address at the Peers Relations Preconference, Society for Research in Child Development, Minneapolis, MN.
2. Capella J[†], Jorgensen, N.A[†], Field, N[†], Feldman M[†], Bonar A[†], Prinstein M.J., Lindquist K.A., & **Telzer E.H.** (2024, April) Longitudinal relations between adolescents' social network positions and neural sensitivity to social rewards. Talk presented at the Society for Research in Adolescence, Chicago, Illinois.
3. Field, N[†], Burnell, K., Lindquist, K.L., **Telzer, E.H.**, Prinstein, M.J. (2024). Peer socialization of substance use in a daily diary study: The moderating role of peer-status. In Peer influence and peer-status: Points of intersection. Talk presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
4. Maza, M.T[†], Aggarwal, N., Baldelli, A., Flannery, J.E., Nick, E., **Telzer, E.H.** (2024, April). By youth for youth: Co-designing a social media fMRI task with adolescents. Talk presented at the Society of Research on Adolescents Annual Meeting, Chicago IL.
5. **Telzer, E.H.** & Prinstein, M.J. (2023, October). Social media and adolescent health. Talk presented at the Growing up Together in Society Meeting, Amsterdam, Netherlands.
6. **Telzer, E.H.** (2023, September). Social media and the social brain: Implications for diverse youth. Talk presented at the Children and Screens International Scientific Congress, Washington DC.
7. Garrett, S[†], Armstrong-Carter, E[†], Prinstein, M., & **Telzer, E.H.** (2023, April). Examining differences in the momentary links between adolescents' digital media use and social connectedness. Talk

presented at the Society for Research in Adolescence Annual Meeting, San Diego, CA.

8. Field, N., Balkind, E., Burnell, K., Feldman, M., Fox, K., Nick, E., Lindquist, K., **Telzer, E.H.**, & Prinstein, M (2023, March). Popularity, but not likeability, as a risk factor for low empathy: A longitudinal examination of within- and between-person associations between peer status and empathy. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
9. Capella, J[†], Feldman, M[†], Bonar, A[†], Field, N[†], Lewis, K., Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2023, March). Neural similarity during experiences of emotion is linked to proximity within adolescent peer networks. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
10. Burnell, K., Field, N[†], **Telzer, E. H.**, & Prinstein, M. J. (2023, March). Sociometric status and digital status seeking as predictors of COVID-era offline and online behaviors. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
11. Dai, J[†], Jorgensen, N.A[†], Duell, N[†], Capella, J[†], Maza, M.T[†], Kwon, S[†], Prinstein M.J., Lindquist, K.A., & **Telzer, E.H.** (2023, March). Neural tracking of social hierarchies in adolescents' real-world social networks. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
12. Flannery, J.S[†], Burnell, K[†], Kwon, S[†], Jorgensen, N.A[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2023, March) Developmental changes in social reward brain responsivity linked with addiction-like social media use two years later. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
13. Kwon, S[†], Flannery, J.E[†], Turpyn, C.C[†], Prinstein M.J., Lindquist, K.A., & **Telzer, E.H.** (2023, March). Behavioral and neural trajectories of risk taking for peer and parent in adolescence. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
14. Garrett, S[†], Armstrong-Carter, E[†], Xu, A[†], Prinstein, M., & **Telzer, E.H.** (2023, March). Digital Familism: Individual differences in how adolescents' digital interactions with family relate to their momentary affect. Talk presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
15. Maza, M.T[†], Fox, K.A[†], Kwon, S[†], Flannery, J.E[†], Lindquist, K.A., Prinstein, M.J., **Telzer, E.H.** (2022, September). Habitual checking behaviors on social media relate to longitudinal functional brain development. Talk presented at the Flux Congress Annual Meeting. Paris, France.
16. Kim, S.G[†], Hu, K., Rogers, C.R[†], McElwain, N.L., & **Telzer, E.H.** (2022, March). Parental autonomy support and control and neural regulation of emotion during adolescence. Flash talk presented at the Society for Affective Science Annual Conference, Virtual Conference.
17. Do, K.T[†], Sharp, P.B[†], Lindquist, K.A., Prinstein, M.J., & **Telzer, E.H.** (2022, March). Peer status adaptively incentivizes cognitive control deployment in early adolescence. Talk presented at the Society for Research on Adolescence Biennial Meeting, New Orleans, LA.
18. Turpyn, C.C[†], Jorgensen, N.A[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, April). Susceptibility to family context in predicting adolescent externalizing behaviors: Moderation by social motivational neural sensitivity. Paper presented at Society for Research in Child Development Biennial Meeting, Virtual Conference.
19. Flannery, J.E[†], Kwon, S[†], Jorgensen, N[†], Nelson, B[†], Turpyn, C.C[†], Duell, N[†], Lindquist, K., Prinstein, M., **Telzer E.H.** (2021, April) Covariation in Adolescent Social Behavior and Mood Following COVID-19 Social Restriction: Moderators of Neural Sensitivity. Paper presented at the Society for Research in Child Development Biennial Meeting, Virtual Conference.
20. Duell, N[†], van Hoorn, J[†], McCormick, E. M[†], & **Telzer, E. H.** (2021, March). Hormonal and neural correlates of prosocial conformity in adolescents. Paper presented at Society for Research in

Adolescence Biennial Meeting, Virtual Conference.

21. Rogers, C.R[†], Gates, K.M., Fry, C. M., Lee, T., & **Telzer, E. H.** (2020, September). Directed functional connectivity during adolescent social learning: An example using sibling dyads. In B. McCandliss (Chair), Jacob's Foundation: Science of Learning Symposium. Talk presented at the FLUX Congress. Virtual Conference.
22. **Telzer, E.H.** (August, 2019). For better or for worse: Neurobiological susceptibility to social context. Invited talk presented at the Annual Flux Congress Meeting, New York, NY.
23. Do, K.T[†], McCormick, E.M[†], & **Telzer, E.H.** (2019, September). Peers exert a stronger prosocial than antisocial influence on adolescent attitudes: Evidence from brain and behavior. Paper presented at the Annual Flux Congress Meeting, New York, NY.
24. **Telzer, E.H.**, Ivory, S[†], McCormick, E.M[†], & Kwon, S[†]. (April, 2019) Altered neural connectivity and cognitive control to peer faces: Links to internalizing symptoms in adolescence. Paper presented at the Society for Research in Child Development Biannual Meeting, Baltimore, MD.
25. **Telzer, E.H.**, McElwain, N., McCormick, E.M[†], & Qu, Y[†]. (April, 2019) Family relationship quality and adolescent neural processing of risk. Paper presented at the Society for Research in Child Development Biannual Meeting, Baltimore, MD.
26. **Telzer, E.H.** (September, 2018). Under representation of cultural diversity and high-risk youth samples in research on adolescent motivational processes. Invited talk presented at the Annual Flux Congress Meeting, Berlin Germany.
27. Rogers, C.R[†], Lee, T[†], Fry, C.M[†], & **Telzer, E.H.** (September, 2018). Where you lead, I will follow: Observing older sibling risky behavior changes adolescent brain and behavior. Paper presented at the Annual Flux Congress Meeting, Berlin Germany.
28. van Hoorn, J[†], McCormick, E.M[†], & **Telzer, E.H.** (April, 2018). Risk taking and peer effects in high-risk youth with externalizing behavior: Perspectives from brain and behavior. Paper presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
29. Rogers, C.R[†], McCormick, E.M[†], van Hoorn, J[†], & **Telzer, E.H.** (April, 2018). Siblings and the teenage brain: Sibling closeness and birth order modulate adolescent neural activity during safe decision-making. Paper presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
30. Do, K.T[†], Guassi Moreira, J[†], van Hoorn, J[†], & **Telzer, E.H.** (April, 2018). Taking risks to help others: An experimental study of "prosocial risk taking" in late adolescents. Paper presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
31. **Telzer, E.H.** (April, 2018). Moving towards a window of opportunity: New perspectives on the intersection of prosocial and risk-taking behaviors in adolescence. Discussant for symposium at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
32. **Telzer, E.H.** (April, 2018) Integrating neuroimaging with developmental research to better understand risk and resilience processes in adolescence. Roundtable talk presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
33. **Telzer, E.H.**, Fowler, C[†], Davis, M., & Rudolph, K.D. (April, 2018). Childhood victimization heightens neural vigilance to peer belonging and subsequent internalizing symptoms in adolescence. Paper presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
34. **Telzer, E.H.**, (April, 2018). Social processes shape the adolescent brain. Invited talk presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
35. **Telzer, E.H.** (April, 2018). Habits of highly effective junior faculty. Invited panel member at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.

36. Rogers, C.R[†], McCormick, E.M[†], van Hoorn, J[†], & **Telzer, E.H.** (2017, September). "No, don't do it!" Neural correlates of sibling closeness during risky decision-making. Paper presented at the Annual Flux Congress Meeting, Portland, OR.
37. McCormick, E[†], & **Telzer, E.H.** (2017, April). Adaptive adolescent flexibility: neurodevelopment of decision making and learning in a risky context. Paper presented at the Society for Research on Child Development Biannual Meeting, Austin, TX.
38. Lee, T[†], Miernicki, M.E[†], & **Telzer, E.H.** (2017, April) Neural concordance of resting state intrinsic neural networks in parent-child dyads. Paper presented at the Society for Research on Child Development Biannual Meeting, Austin, TX.
39. **Telzer, E.H.**, (2016, May). Adolescent affective sensitivity as a window of opportunity for healthy development. Invited talk at the Association for Psychological Science Annual Meeting, Chicago, IL.
40. Lee, T[†], Qu, Y[†], & **Telzer, E.H.** (2016, April). Parent-child relationship quality shapes neural pattern similarity between mothers and their child. Paper presented at the Social Affective Neuroscience Society Annual Meeting, New York, NY.
41. **Telzer, E.H.**, & McCormick, E[†]. (2016, March). Activation in context. Paper presented at the Society for Research on Adolescence Biannual Meeting, Baltimore, MD.
42. **Telzer, E.H.** (2016, March). Cultural values, family relationships, and neurocognitive processing among adolescents. Invited talk at the Society for Research on Adolescence Biannual Meeting, Baltimore, MD.
43. **Telzer, E.H.** (2015, September). Neural correlates of prosocial behavior and links to well-being. Invited talk at the Society for Research on Child Development Satellite Meeting, Leiden Netherlands.
44. **Telzer, E.H.** (2015, May). Neurodevelopment of amygdala response to social categories. Paper presented at the Association for Psychological Science Annual Meeting, New York, NY.
45. **Telzer, E.H.**, Miernicki, M.E[†], & Rudolph, K. (2015, April). Chronic peer victimization and the neural correlates of risk taking following social exclusion. Paper presented at the Society for Research on Child Development Biannual Meeting, Philadelphia, PA.
46. **Telzer, E.H.** & Qu, Y[†]. (2015, April). Persistence versus giving up: Cultural differences in behavioral and neural processes underlying cognitive control. Paper presented at the Society for Research on Child Development Biannual Meeting, Philadelphia, PA.
47. Rudolph, K., Miernicki, M.E[†], Troop-Gordon, W., & **Telzer, E.H.** (2015, April). Social pain in the context of peer victimization: Implications for depression. Paper presented at the Society for Research on Child Development Biannual Meeting, Philadelphia, PA.
48. **Telzer, E.H.**, & Galván, A. (2014, March). The effects of sleep variability on the neural correlates of cognitive and emotional functioning in adolescents. Paper presented at the Society for Research on Adolescence Biannual Meeting, Austin, TX.
49. Qu, Y[†], & **Telzer, E.H.** (2014, March). Longitudinal changes in adolescents' neural sensitivity to risk: The impact of parental depression. Paper presented at the Society for Research on Adolescence Biannual Meeting, Austin, TX.
50. **Telzer, E.H.** (2014, March). The role of culture and biology in adolescent development: Examining the interplay of culture, genetics, and neuroscience. Invited panelist at the Society for Research on Adolescence Biannual Meeting, Austin, TX.
51. **Telzer, E.H.** (2013, May). Early experience and the neurodevelopment of cultural biases. Paper invited at the Jean Piaget Society Annual Meeting, Chicago, IL.

52. **Telzer, E.H.** (2013, June). Identifying a cultural resource: Neural mechanisms underlying familial influence on risk taking among Mexican-origin adolescents. Plenary talk invited at the International Association of Cross-Cultural Psychology, Los Angeles, CA.
53. **Telzer, E.H.** & Tottenham, N. (2013, May). The role of experience on the neurodevelopment of amygdala response to race. Paper presented at the American Psychological Society Annual Meeting, Washington D.C.
54. **Telzer, E.H.** (2013, April). Identifying a cultural resource: Neural mechanisms underlying familial influence on risk taking among Mexican-origin adolescents. Paper invited at the International Cultural Neuroscience Consortium Conference, Chicago, IL.
55. **Telzer, E.H.,** Fuligni, A.J., Lieberman, M.D., & Galván, A. (2013, April). The rewards of giving: Ventral striatum activation to prosocial rewards predicts declines in adolescent risk taking. Paper presented at Society for Research on Child Development Biannual Meeting, Seattle, WA.
56. **Telzer, E.H.,** Fuligni, A.J., Lieberman, M.D., & Galván, A. (2013, April). Neural sensitivity to prosocial and risky rewards differentially predicts internalizing symptoms. Paper presented at the Society for Research on Child Development Biannual Meeting, Seattle, WA.
57. **Telzer, E.H.,** Qu, Y[†], Humphreys, K., Flannery, J., & Tottenham, N. (2013, April). The impact of early exposure on race-related amygdala activity: An international adoption design. Paper presented at the Society for Affective Neuroscience Annual Meeting, San Francisco, CA.
58. **Telzer, E.H.,** Fuligni, A.J., Lieberman, M.D., & Galván, A. (2012 April). The effects of inadequate sleep on brain function during risk taking in adolescence. Paper presented at the Cognitive Neuroscience Society Annual Meeting, Chicago, IL.
59. **Telzer, E.H.,** Fuligni, T, Lieberman, M.D., & Galván, A. (2012, March). An fMRI study of familial influence on adolescent risk taking. Paper presented at the Society for Research on Adolescence Biannual Meeting, Vancouver, Canada.
60. **Telzer, E.H.,** Fuligni, A.J., Gonzales, N., Weisner, T, Lieberman, M.D., & Galván, A. (2012, January). Behavioral and neural mechanisms underlying familial influence on adolescents' substance use. Paper presented at the Society for Personality and Social Psychology Annual Meeting, San Diego, California.
61. **Telzer, E.H.,** Masten, C.L., Berkman, E.T., Lieberman M.D., & Fuligni, A.J. (2010, March). Thinking about helping the family: A cross-cultural fMRI investigation of adolescents' family assistance behaviors. Paper presented at the Society for Research on Adolescence Biannual Meeting, Philadelphia, PA.
62. **Telzer, E.H.,** Masten, C.L., Lieberman M.D., & Fuligni, A.J. (2009, April). Gaining while giving: An fMRI investigation of the rewards of family assistance among White and Latino adolescents. Paper presented at the Society for Research in Child Development Biennial Meeting, Denver, CO.

Selected Conference Poster Presentations

[†]mentored student author

1. Flannery, J.S., Parr, A.C., Lindquist, K.A., & Telzer, E.H. (2024, May). The role of dopamine-related neurophysiology in incentive-boosted cognitive control and associations with substance use. Poster presented at the Society of Biological Psychiatry, Austin, Texas
2. Albani, S[†], Burnell, K., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Hourly Level Associations Between the Motivations of Social Media Use and Affect Amongst Adolescents. Poster presented at the Society for Research on Adolescents Annual Meeting, Chicago, IL.

3. Bellassai, J.J.[†], Burnell, K., Lindquist K., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Navigating the Digital Landscape: The Interplay of Social Media Experiences, Empathy, and Gender Among Adolescents. Poster presented at The Society for Research on Adolescence Annual Meeting, Chicago, IL.
4. Escalante, E.[†], Flannery, J.[†], Maza, M.[†], Perino, M.[†], & **Telzer, E.H.** (2024, April). Adolescent misconduct in the brain: Differences in risk appraisal and neural activity. Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
5. Flesch, J.[†], Garrett, S.[†], Lindquist, K., Prinstein, M., & **Telzer, E.H.** (2024, April). Linking Instagram Direct Messages with Adolescent Social Development. Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
6. Fox, K.A.[†], Maheux, A. J., Burnell, K., Nesi, J., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Adolescents' motivations to use social media and affective experiences. In A. Tuck (Chair). *Social Media Use and Adolescent Emotions: Integrating Individual Differences and Specific Experiences*. Talk presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
7. Jack, D.B.[†], Capella, J.[†], Dai, J.[†], Trekels, J.[†], Maza, M.T.[†], Tsai, R.Y.[†], Baldelli, A., Lindquist, K.A., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
8. Jorgensen, N.A.[†], Lindquist, K.A., Prinstein, M.J., Safa, D., & **Telzer, E.H.** (2024, April). Early Adolescents' Ethnic-Racial Identity in Relation to Longitudinal Growth in Perspective Taking. Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
9. Kwon, S.J.[†], Prinstein, M.J., Lindquist, K.L., & **Telzer, E.H.** (2024, April). Age-related changes in the ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later. Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
10. Slocum, A.S.[†], Burnell, K., Lindquist K., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Bidirectional influences of both positive and negative social media experiences and alexithymia in adolescents. Poster presented at the Society for Research on Adolescence 2024 Annual Meeting. Poster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
11. Sobrino, M.[†], Maria, M.T.[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2024, April). Navigating Adversity: The Power of Resilience in Adolescent Risk-Taking. Poster presented at The Society for Research on Adolescence Annual Meeting, Chicago, IL.
12. Tsai, Y.H.[†], Maheux, A.J., Bauer, D.J., Dai, J.[†], Crone, E.A., Lindquist, K.A., Prinstein, M.J., & **Telzer, E.H.** (2024, April). Do Peers and Family Matter as Much Over Time? Tracing the Trajectories of Peer and Family Identity During Adolescence. PPoster presented at the Society for Research on Adolescence Annual Meeting, Chicago, IL.
13. Xu, A.[†], Nick, E., **Telzer, E.H.**, & Prinstein, M.J. (2023, April). Friendships on- and off-line: the effect that posting on instagram has on friendship quality. Poster presented at the Society for Research on Adolescence Biannual Meeting, San Diego, CA.
14. Netschytailo, H.[†], Duell, N.[†], Prinstein, M. J., & **Telzer, E. H.** (2023, April). Resiliency and the Behavioral Effects of Household Adversity. Poster presented at the Society for Research on Adolescence Biannual Meeting, San Diego, CA.
15. Garrett, S.[†], Albani, S.[†], Burnell, K., Armstrong-Carter, E.[†], Prinstein, M., & **Telzer, E.H.** (2023, March). Examining the bidirectional momentary links between adolescents' objectively-measured smartphone use and momentary affect. Poster presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
16. Shipkova, M.[†], Capella, J.[†], Bonar, A.[†], Feldman, M. J.[†], Field, N.[†], Lewis, K., Prinstein, M., **Telzer, E. H.**, & Lindquist, K. A. (2023, March). The roles of emotion regulation and reactivity in adolescent

friendship stability. Poster presented at the Society for Affective Science, Long Beach, CA

17. Dai, J[†], Kwon, S[†], Prinstein M.J., **Telzer, E.H.**, & Lindquist, K.A. (2023, March). Neural similarity for self and peer predicts adolescents' risk taking and peer influence. Poster presented at the Society for Research in Child Development Biannual Meeting, Salt Lake City, Utah.
18. Duell, N[†], Bender, E., Alvarez, G. M., **Telzer, E. H.**, & Muscatell, K. A. (2022, September). Familism moderates the effect of discrimination on self-regulation via brain connectivity. Poster presented at the Flux Congress Annual Meeting, Paris, France.
19. Kwon, S[†], Prinstein M.J., Lindquist, K.A., & **Telzer, E.H.** (2022, September). Neurodevelopmental changes in friendship stability and adaptive risk taking for best friend in adolescence. Poster presented at the Flux Congress Annual Meeting, Paris, France.
20. Bonar, A.S[†], Feldman, M.J.[†], Capella, J[†], Nick, E.A., Field, N.H[†], Drummond, T.H., Lewis, K. Prinstein, M.J., **Telzer E.H.**, & Lindquist, K.A (2022, September). Does adolescents' neural reactivity to affective images predict their social network centrality? Poster presented at the Flux Congress Annual Meeting, Paris, France.
21. Flannery, J.S[†], Kwon, S[†], Jorgensen, N.A[†], Prinstein M.J., Lindquist, K.A., & **Telzer, E.H.** (2022, September). Developmental changes in ventral medial prefrontal cortex social reward responsivity linked with social media addiction two years later. Poster presented at the Flux Congress Annual Meeting, Paris, France.
22. Capella, J[†], Feldman, M.J., Bonar, A.S., Dai, J[†], Nick, E., Field, N.H., Lewis, K., Prinstein, M.J., Kindquist, K.A., & **Telzer, E.H.** (2022, September). Neural similarity in representation of positive images in the ventral medial prefrontal cortex is linked to social network proximity in adolescence. Poster presented at the Flux Congress Annual Meeting, Paris, France.
23. Flannery J.S[†], Jorgensen N.A[†], Kwon S[†], Prinstein M.J., **Telzer E.H.**, & Lindquist K.A., (2022, April). Developmental changes in social reinforcement responsivity across adolescence linked with drug use. Poster presented at the Society for Affective Science Annual Meeting, Virtual Conference.
24. Maza, M.T[†], Kwon, S[†], Jorgensen, N.A[†], Capella, J[†], Prinstein, M.J. Lindquist, K.A., & **Telzer, E.H.** (2021, September). Neurobiological sensitivity to popularity moderates individual differences between social media use and affect. Poster presented at the Flux Society for Developmental Cognitive Neuroscience Annual Meeting, Virtual Conference.
25. Capella, J[†], Jorgensen, N.A[†], Kwon, S[†], Maza, M.T[†], Prinstein, M.J. Lindquist, K.A., & **Telzer, E.H.** (2021, September). Neural sensitivity to popularity predicts risk-taking and prosocial behavior in adolescence. Poster presented at the Flux Society for Developmental Cognitive Neuroscience Annual Meeting, Virtual Conference.
26. Do, K.T[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, September). Adolescents' internalization of parent and peer risk attitudes: A longitudinal fMRI study. Poster presented at the Flux Society for Developmental Cognitive Neuroscience Annual Meeting, Virtual Conference.
27. Kwon, S[†], Flannery, J.E[†], Turpyn, C.C[†], Prinstein M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, September). Longitudinal behavioral and neural trajectories of vicarious risk taking for parent and peer across adolescence. Poster presented at the Flux Society for Developmental Cognitive Neuroscience Annual Meeting, Virtual Conference.
28. Flannery, J.E[†], Jorgensen, N.A[†], Turpyn, C[†], Kwon, S[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, September) Whole brain longitudinal changes in adolescent social reward and punishment processing. Poster presented at the Flux Society for Developmental Cognitive Neuroscience Annual Meeting (virtual).
29. Villa, R[†], Turpyn, C[†], & **Telzer, E.H.** (2021, April). Parental impulsivity as a predictor of adolescent risk behavior: Moderating role of parent-adolescent relationship quality. Poster presented at Society

for Research in Child Development Biennial Meeting, Virtual Conference.

30. Do, K.T[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, April). Developmental changes in the intrinsic value of learning parent and peer risk norms in adolescence. Poster presented at the Society for Research in Child Development Biennial Meeting, Virtual Conference.
31. Jorgensen, N.A[†], Duell, N[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2021, April). Neural sensitivity to social status and adolescent social functioning. Poster to be presented at the meeting of the Social & Affective Neuroscience Society, Virtual Conference.
32. Li, X[†], Jorgensen, N.A[†], McElwain, N.L., McCormick, E.M[†], & **Telzer, E.H.** (2021, March). Toddler-mother attachment modulates adolescents' evaluation of trustworthiness: Evidence from behavioral and neural responses. Poster presented at the meeting of the Society for Research on Adolescence, Virtual Conference.
33. Bibby, E.S[†], Widman, L., Turpyn, C., Choukas-Bradley, S., Nesi, J., Prinstein, M.J., & **Telzer, E.H.** (2021, February). A multi-wave assessment of race, ethnic, and gender differences in adolescents' sexual communication with parents, peers, and partners. Poster presented at the Annual Convention: Society of Personality and Social Psychology, Virtual Conference
34. Jorgensen, N.A[†], McCormick, E.M[†], Lindquist, K.A., Prinstein, M. [†]J., & **Telzer, E. H.** (2020, October). The culture of socioeconomic status and social reward and threat processing in adolescence. Poster presented at the meeting of the International Cultural Neuroscience Society, Virtual Conference.
35. Turpyn, C.C[†], Jorgensen, N.A[†], Prinstein, M.J., Lindquist, K.A., & **Telzer, E.H.** (2020, September). Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. Poster presented at the annual meeting of Flux: The Society for Developmental Cognitive Neuroscience, Virtual Conference.
36. Bibby, E.S[†], Widman, L., Turpyn, C., **Telzer, E.H.**, Nesi, J., Choukas-Bradley, S., & Prinstein, M.J. (2020, November). Let's talk about safe sex: A multi-wave assessment of adolescents' sexual communication with parents and peers. Poster presented at the Annual Convention: Association for Behavioral and Cognitive Therapies, Virtual Conference
37. Gray, A.M[†], Bibby, E.S[†], & **Telzer, E.H.** (2020, November). Negative interactions with parents and peers predict adolescent depression. Poster presented at the Annual Convention: Association for Behavioral and Cognitive Therapies, Virtual Conference
38. Kwon, S[†], Do, K.T[†], McCormick, E.M[†], & **Telzer, E.H.** (2019, August). Neural correlates of conflicting social influences on adolescent risk-taking. Poster presented at the Annual Flux Congress Meeting, New York, NY.
39. Do, K.T[†], McCormick, E.M[†], & **Telzer, E.H.** (2019, August). Peers exert a stronger prosocial than antisocial influence on adolescent attitudes: Evidence from brain and behavior. Poster presented at the Annual Flux Congress Meeting, New York, NY.
40. Jorgensen, N.A., McCormick, E.M., Lindquist, K.A., Prinstein, M.J., & **Telzer, E.H.** (2019, August). Socioeconomic culture and social threat and reward processing in adolescence. Poster presented at the Annual Flux Congress Meeting, New York, NY.
41. Duell, N[†], van Hoorn, J[†], McCormick, E.M[†], & **Telzer, E.H.** (2019, August). Biological correlates of prosocial influence: A test of brain activation and the dual-hormone hypothesis. Poster presented at the Annual Flux Congress Meeting, New York, NY.
42. Rogers, C. R[†], Jimenez, V[†], Benjamin, A[†], Rudolph, K. D., & **Telzer, E. H.** (2019, August). The enduring effect of parents and peers on the neural correlates of risk taking and antisocial behavior during adolescence. Poster presented at the Annual Flux Congress Meeting, New York, NY.

43. van Hoorn, J[†], McCormick, E.M[†], Rogers, C.R[†], Ivory, S[†], & **Telzer, E.H.** (2018, September). Differential effects of parent and peer presence on neural correlates of risk taking in adolescence. Poster presented at the Annual Flux Congress Meeting, Berlin Germany.
44. Sharp, P[†], **Telzer, E.H.**, & Elder, E. (2018, September). Computational model of anxious mood in adolescence. Poster presented at the Annual Flux Congress Meeting, Berlin Germany.
45. Do, K[†], van Hoorn, J[†], Guassi Moreira, J[†], & **Telzer, E.H.** (2018, September). Neural correlates of prosocial risk taking during late adolescence. Poster presented at the Annual Flux Congress Meeting, Berlin Germany.
46. McCormick, E.M[†], Gates, K., & **Telzer, E.H.** (2018, September). Model-based network discovery of developmental and performance-related differences during risky decision-making. Poster presented at the Annual Flux Congress Meeting, Berlin Germany.
47. Ravindran, N[†], McElwain, N., & **Telzer, E.H.** (2018, April). A balancing act: Dynamic associations between maternal and adolescent behavior during a conflict discussion. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
48. Rogers, C.R[†], Perino, M[†], & **Telzer, E.H.** (2018, April). And again, mothers know best: Promoting adolescent inhibition in socially positive contexts. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
49. Qu, Y[†], Pomerantz, E., McCormick, E.M[†], & **Telzer, E.H.** (2018, April). Youth's conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking during adolescence. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
50. Modi, H., Davis, M[†], Miernicki, M.E[†], **Telzer, E.H.**, & Rudolph, K.D. (2018, April). Maternal antecedents to adolescents' neuroregulation of emotion. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
51. Kim, Y., Davis, M[†], Modi, H., Miernicki, M.E[†], **Telzer, E.H.**, & Rudolph, K.D. (2018, April). Differential susceptibility to friendship quality: The role of need for approval. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
52. Do, K.T[†], McCormick, E.M[†], & **Telzer, E.H.** (2018, April). Is blood thicker than water? How conflicting parent and peer attitudes influence the neural correlates of adolescent conformity. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
53. Davis, M[†], Miernicki, M.E[†], **Telzer, E.H.**, & Rudolph, K.D. (2018, April). Effects of childhood negative emotionality and cognitive control on anxiety-linked neural dysregulation of emotion in adolescence. Poster presented at the Society for Research on Adolescence Biannual Meeting, Minneapolis, MN.
54. Fowler, C[†], Lin, L[†], & **Telzer, E.H.** (2017, September). Like me back: Youths' feelings about unknown peers influences neural response during predicted peer evaluation. Poster presented at the Annual Flux Congress Meeting, Portland, OR.
55. Perino, M.T[†], Guassi Moreira, J[†], & **Telzer, E.H.** (2017, September). These violent delights have violent ends: Neural correlates of aggression selectivity in delinquent youth based on differential motivations. Poster presented at the Annual Flux Congress Meeting, Portland, OR.
56. van Hoorn, J[†], Shablack, H[†], Lindquist, K., & **Telzer, E.H.** (2017, September). Incorporating the social context in neurocognitive models of adolescent risk-taking: A neuroimaging meta-analysis. Poster presented at the Annual Flux Congress Meeting, Portland, OR.

57. McCormick, E.M[†], Van Hoorn, J[†], & **Telzer, E.H.** (2017, September). Functional network organization of the social brain in childhood and adolescence. Poster presented at the Annual Flux Congress Meeting, Portland, OR.
58. Do, K.T[†], & **Telzer, E.H.** (2017, March). Helping us vs. them: The neural correlates of costly helping to ingroups and outgroups in youth. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
59. Qu, Y[†], Lin, L[†], & **Telzer, E.H.** (2017, March). Culture modulates the neural mechanisms underlying risky exploration. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
60. van Hoorn, J[†], McCormick, E.M[†], & **Telzer, E.H.** (2017, March). Social learning and adaptive risk-taking in adolescence: Evidence from brain and behavior. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
61. Ivory, S.L[†], McCormick, E.M[†], & **Telzer, E.H.** (2017, March). Can't fight this feeling: The impact of emotional faces on adolescents' cognitive control. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
62. Lee, T[†], Qu, Y[†], & **Telzer, E.H.** (2017, March). Love flows downstream: A neural pattern similarity approach to perception of pain in self and family. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
63. Lin, L[†], Qu, Y[†], & **Telzer, E.H.** (2017, March). Social and cultural influences on the neural mechanisms of emotion regulation. Poster presented at the Social Affective Neuroscience Society Annual Meeting, Los Angeles, CA.
64. Lee, T.H[†], Miernicki, M.E[†], & **Telzer, E.H.** (2016, September). Resting-state connectome similarity in mother-child dyads and its impact on emotional synchrony. Poster presented at the Annual Flux Congress Meeting, Saint Luis, MO.
65. McCormick, E.M[†], & **Telzer, E.H.** (2016, September). Two roads diverge: context-specific outcomes associated with decreased neural sensitivity to negative feedback during adolescence. Poster presented at the Annual Flux Congress Meeting, Saint Luis, MO.
66. Perino, M.T[†], Guassi Moreira, J.F[†], & **Telzer, E.H.** (2016, September). Different strokes: How social context differentially influences inhibitory failures in normative and high-risk adolescents. Poster presented at the Annual Flux Congress Meeting, Saint Luis, MO.
67. Guassi Moreira, J.F[†], & **Telzer, E.H.** (2016, September). Tracking longitudinal changes of maternal influence on adolescent neurocognition during risk-taking. Poster presented at the Annual Flux Congress Meeting, Saint Luis, MO.
68. Do, K.T[†], McCormick, E.M[†], & **Telzer, E.H.** (2016, September). Parents versus peers: Characterizing the neural correlates of conflicting social influence on adolescent attitudes. Poster presented at the Annual Flux Congress Meeting, Saint Luis, MO.
69. Guassi-Moriera, J.F[†], Ivory, S.I[†], & **Telzer, E.H.** (2016, May). Costly caring: tradeoffs in support provision and well-being. Poster presented at the Association for Psychological Science Annual Meeting, Chicago, IL.
70. Do, K.T[†], McCormick, E[†], & **Telzer, E.H.** (2016, April). Prosocial and social brain development from childhood to adolescence. Poster presented at the Social Affective Neuroscience Society Annual Meeting, New York, NY.
71. Lin, L[†], Qu, Y[†], & **Telzer, E.H.** (2016, April). Cultural differences in neural correlates of intergroup empathy. Poster presented at the Social Affective Neuroscience Society Annual Meeting, New York, NY.

72. McCormick, E.[†] & **Telzer, E.H.** (2016, April). Adaptive adolescent flexibility: Decision-making in a risky context. Poster presented at the Social Affective Neuroscience Society Annual Meeting, New York, NY.
73. Perino, M.T.[†], Guassi Moreira, J.[†], & **Telzer, E.H.** (2016, April). Not deficient, just different: Increased activation of salience networks for bullies when viewing social exclusion. Poster presented at the Social Affective Neuroscience Society Annual Meeting, New York, NY.
74. Qu, Y.[†] & **Telzer, E.H.** (2016, March). The role of parents' autonomy support in adolescents' math performance: A neuroimaging investigation. Poster presented at the Society for Research on Adolescence Biannual Meeting, Baltimore MD.
75. Guassi Moreira, J.[†] & **Telzer, E.H.** (2016, March). Mothers still know best: The unique contribution of maternal presence on adolescent neurocognition during risk taking. Poster presented at the Society for Research on Adolescence Biannual Meeting, Baltimore MD.
76. Yuen, C.X.[†], **Telzer, E.H.**, Gonzales, N., & Fuligni, A.J. (2016, March). Too much of a good thing? The costs and benefits of family identity for adolescents from high-conflict homes. Poster presented at the Society for Research on Adolescence Biannual Meeting, Baltimore MD.
77. Miernicki, M.E.[†], Rudolph, K.D. & **Telzer, E.H.** (2015, September). Neural dysregulation and rumination explain the link between chronic victimization and depressive symptoms. Poster presented at the annual Flux Congress, Leiden, Netherlands.
78. McCormick, E.[†] & **Telzer, E.H.** (2015, September). Longitudinal links between negative family relationships and adolescent cognitive control- related neural processing. Poster presented at the annual Flux Congress, Leiden, Netherlands.
79. McCormick, E.[†] & **Telzer, E.H.** (2015, April). Working harder to succeed: Increased reliance on lateral PFC engagement across early adolescence for risky youths. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Boston, MA.
80. Qu, Y.[†] & **Telzer, E.H.** (2015, April). Cultural differences in beliefs, practices, and neural mechanisms of emotion regulation. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Boston, MA.
81. Qu, Y.[†] & **Telzer, E.H.** (2015, April). When good becomes bad: Culture modulates cognitive reappraisal of positive emotion. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Boston, MA.
82. Miernicki, M.E.[†], Rudolph, K.D. & **Telzer, E.H.** (2015, April). Altered neural regulation of emotional processing in chronically victimized girls. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Boston, MA.
83. **Telzer, E.H.**, Ichien, N.I.[†], & Qu, Y.[†] (2014, April). Social rewards promote safe behavior: Maternal presence facilitates adaptive neural processing during adolescent risk taking. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Denver, CO.
84. Miernicki, M.E.[†], Fuligni, A.J., Galvan, A., Lieberman, M.D., & **Telzer, E.H.** (2014, March). The consequences of conflict: Peer conflict predicts subsequent adolescent risk taking mediated by striatum and insula activation. Poster presented at the Society for Research on Adolescence Biannual Meeting, Austin, TX.
85. Ichien, N.I.[†], Qu, Y.[†], & **Telzer, E.H.** (2014, April). Cultural identity shapes neural reactivity to prosocial decisions. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Denver, CO.

86. Miernicki, M.E[†], Rudolph, K., Troop-Gordon, W., & **Telzer, E.H.** (2014, April). Adding insult to injury: Chronic peer victimization across development and neural sensitivity to social pain. Poster presented at the Social and Affective Neuroscience Society Annual Meeting, Denver, CO.
87. Qu, Y[†], Fuligni, A.J., Galvan, A., Lieberman, M.D., & **Telzer, E.H.** (2013, June). Neural coupling between mother-child dyads: Understanding the socialization of emotions. Poster presented at the International Cultural Neuroscience Consortium Conference, Chicago, IL.
88. Ichien, N.I[†], Fuligni, A.J., Galvan, A., Lieberman, M.D., & **Telzer, E.H.** (2013, June). Subjective social status and neural sensitivity to race. Poster presented at the International Cultural Neuroscience Consortium Conference, Chicago, IL.
89. **Telzer, E.H.**, Humphreys, K., Shapiro, M., & Tottenham, N.L. (2011, December). Neurodevelopment of the amygdala response to race. Poster presented at the Sackler Colloquium of the National Academy of Sciences, Irvine, CA.
90. **Telzer, E.H.**, Shapiro, M., Humphreys, K., & Tottenham, N.L. (2011, April). Children's understanding of socially-relevant categories: The role of the amygdala in racial/ethnic categorization. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
91. **Telzer, E.H.** & Fuligni, A.J. (2011, April). Daily family cohesion eliminates gender differences in depressive and somatic symptoms during adolescence. Poster presented at the Annual Meeting of the Society for Research on Child Development, Montreal, Canada.
92. **Telzer, E.H.**, Shapiro, M., & Tottenham, N.L. (2010, November). Children's behavioral and neural responses to ethnic/racial categories: The role of neighborhood environment. Poster presented at the Society for Neuroscience Annual Meeting, San Diego, CA.
93. **Telzer, E.H.**, Masten, C.L., Berkman, E.T., Lieberman M.D., & Fuligni, A.J. (2010, June). Neural regions associated with mentalizing and self control guide prosocial decisions towards the family. Poster presented at the Organization for Human Brain Mapping Annual Meeting, Barcelona, Spain.
94. **Telzer, E.H.**, Masten, C.L., Berkman, E.T., Lieberman M.D., & Fuligni, A.J. (2010, January). The role of culture and social identity on mentalizing when assisting the family: An fMRI study. Poster presented at the Society for Personality and Social Psychology Annual Meeting, Las Vegas, NV.
95. **Telzer, E.H.**, Masten, C.L., Berkman, E.T., Lieberman M.D., & Fuligni, A.J. (2009, June). An fMRI investigation of the rewards of family assistance. Poster presented at the Annual Tufts University Conference on Emerging Trends in Behavioral, Affective, Social, and Cognitive Neurosciences, Boston, MA.
96. **Telzer, E.H.**, Masten, C.L., Lieberman M.D., & Fuligni, A.J. (2009, April). Neural correlates of family support among White and Latino adolescents. Poster presented at the Annual Wisconsin Symposium on Emotion, Madison, WI.
97. **Telzer, E.H.** & Fuligni, A.J. (2009, April). Daily family assistance and the academic achievement of adolescents from European, Mexican, and Chinese backgrounds. Poster presented at the Society for Research in Child Development Biennial Meeting, Denver, CO.
98. **Telzer, E.H.**, Masten, C.L., Lieberman M.D., & Fuligni, A.J. (2009, February). The reward of giving social support: Neural correlates of family assistance. Poster presented at the Society for Personality and Social Psychology Annual Meeting, Tampa, FL.
99. **Telzer, E.H.** & Fuligni, A.J. (2008, March). The daily family assistance and psychological well being of adolescents from Latin American, Asian, and European, backgrounds. Poster presented at the Society for Research on Adolescents Biennial Meeting, Chicago, IL.

100. **Telzer, E.H.**, & Vázquez-Garcia, H.A. (2008, March). Self perceived skin color and the well being of Latina college women. Poster presented at the Society for Research on Adolescents Biennial Meeting, Chicago, IL.
101. **Telzer, E.H.**, Mogg, K., Bradley, B.P., Ernst, M., Pine, D.S., & Monk, C.S. (2005, September). The effects of trait anxiety on attention bias and ventrolateral prefrontal cortex function to angry faces in adolescents. Poster presented at the Annual Scientific Retreat of the Intramural Research Program of the National Institute of Mental Health, Gettysburg, PA.
102. **Telzer, E.H.**, Mogg, K., Bradley, B.P., McClure, E.M., Nelson, E.E., Ernst, M., Pine, D.S., & Monk, C.S. (2005, April). Behavioral and neurophysiological correlates of attention bias to threat in adolescents: The effects of trait anxiety. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY.

Conference Symposia Chaired

1. **Telzer, E.H.** (2024). Social influence on neurobiological development in diverse youth. Symposium chaired at the Society for Research on Adolescence Biannual Meeting, Chicago, IL.
2. **Telzer, E.H.** (2022). Advances in peer influence research in adolescents: when, why, and which? Symposium chaired at the Society for Research on Adolescence Biannual Meeting, New Orleans, LA.
3. **Telzer, E.H.** (2015). The role of culture and biology on development: Insights from genetics, neuroscience, and biomarkers of stress. Symposium chaired at the Society for Research on Child Development Biannual Meeting, Philadelphia, PA.
4. **Telzer, E.H.** (2015). Social neuroscience of social rejection and links to psychopathology. Symposium chaired at the Society for Research on Child Development Biannual Meeting, Philadelphia, PA.
5. **Telzer, E.H.** & Qu, Y[†]. (2014). The joys and sorrows of social relationships: A developmental social neuroscience approach. Symposium chaired at the Society for Research on Adolescence Biannual Meeting, Austin, TX.
6. **Telzer, E.H.** (2013). The costs and benefits of heightened reward sensitivity in adolescence: Refining the imbalance model of adolescent neurodevelopment. Symposium chaired at the Society for Research on Child Development Biannual Meeting, Seattle, WA.
7. **Telzer, E.H.** & Falk, E. (2012). Social influence on risky decision making: Neural mechanisms and predictors of real world outcomes. Symposium chaired at the Society for Personality and Social Psychology Annual Meeting, San Diego, CA.
8. **Telzer, E.H.** (2010). Family and peer relations in adolescence: Insights from developmental social neuroscience. Symposium chaired at the Society for Research on Adolescence Biannual Meeting, Philadelphia, PA.

Invited Academic and Outreach Talks

- 2025 UNC Campus-wide Mental Health Seminar Series
- 2024 UCLA Center for the Developing Adolescent
- 2024 Camp Walden, Ontario Canada
- 2024 Flux Outreach Talk
- 2024 Muhlenberg College, John Rosenberg and Stephanie Lambert Speaker series
- 2023 North Carolina Child Fatality Task Force
- 2023 Glenbard Parent Series, Navigating Healthy Families
- 2023 Family Action Network
- 2023 Children and Screens International Scientific Congress

2023 North Carolina Psychiatric Association
 2023 Vermont Psychological Association Webinar
 2023 APA, Capitol Hill Fly-In, Summit on Social Media, Washington DC
 2023 University of Alabama, Adolescent Health Update Conference
 2023 Cosmos Club Science and Technology, Washington DC
 2023 National Parent Teacher Association
 2023 Alan Hu Foundation
 2023 Children and Screens
 2023 Project STAND, Parent Empowerment Speaker Series
 2023 Clinical Connections Program at Jewish for Good
 2023 Keynote address, Adolescent Summit, Tulsa Public Schools, Tulsa, OK
 2023 North Carolina Association for Biomedical Research (NCABR)
 2023 Center for Digital Mental Health, Massachusetts General Hospital
 2022 Psychiatry Grand Rounds, University of North Carolina Chapel Hill
 2022 Keynote address, Teen Social Summit, Gestalt Community Schools, Memphis TN
 2022 Women's Insider Experience, UNC Chapel Hill
 2022 Board of Visitors Meeting, UNC Chapel Hill
 2022 Board of Trustees Meeting, UNC Chapel Hill
 2022 Duke School, Durham NC
 2022 Children and Screens
 2022 New York State Youth Justice Institute
 2022 Departmental Colloquium, Pennsylvania State University
 2021 Kurt W. Fischer Memorial Past-Presidential Symposium, International Mind, Brain and Education Society
 2021 Diversity and Outreach in Psychology Speaker Series, Department of Psychology, Louisiana State University
 2021 Departmental Colloquium, Department of Psychology, University of Alabama
 2020 Tryon Lecture, University of California, Berkeley
 2020 Departmental Colloquium, Tufts University
 2019 MindCORE Seminar Series, University of Pennsylvania
 2019 Departmental Colloquium, Human Development and Family Science, University of Georgia
 2019 Distinguished Lecture, Frank Porter Graham Institute for Child Development, UNC Chapel Hill
 2019 Keynote speaker, Adolescent Risk Taking Conference, Leiden University
 2018 Duke UNC Annual Research Meeting in Developmental Psychology
 2018 Departmental Colloquium, Department of Psychology, Brock University, Canada
 2018 Invited program, Flux: The Society for Developmental Cognitive Neuroscience
 2018 UCLA Annual Adolescent Neuroscience Group Symposium
 2018 Invited program, Society for Research on Adolescence Biannual Meeting
 2018 Panel member, Habits of highly effective junior faculty, Society for Research on Adolescence Biannual Meeting
 2017 Modeling Developmental Change Workshop, NSF funded workshop, University of Oregon
 2017 Developmental Psychology Brown Bag, Duke University
 2017 Clinical Psychology Brown Bag, UNC Chapel Hill
 2017 Cognitive Psychology Brown Bag, UNC Chapel Hill
 2017 Neuroscience and Behavior Colloquia, University of Massachusetts Amherst
 2017 Keynote speaker, Developmental Affective Neuroscience Symposium, University of Pittsburgh
 2017 School of Psychology, University of Birmingham, United Kingdom
 2017 Research Center for Group Dynamics, Seminar Series, University of Michigan Ann Arbor
 2017 Psychology Department Brown Bag, University of North Carolina Greensboro
 2017 Keynote speaker, Peer Relations Conference, Leiden University

2016 Clinical Psychology Brown Bag, UNC Chapel Hill
 2016 Social Psychology Brown Bag, UNC Chapel Hill
 2016 Association for Psychological Science Annual Meeting
 2016 Modeling Developmental Change Workshop, University of Oregon
 2016 Claremont Graduate University Applied Social Psychology Symposium on Cultural Neuroscience in Translation
 2016 Karolinska Institute, Sweden, Workshop on Longitudinal Neuroimaging Analyses
 2016 Society for Research on Adolescence Biannual Meeting
 2016 Exploring the Mind Colloquium, University of California Davis
 2015 Society for Research on Child Development Satellite Meeting, Leiden, Netherlands
 2015 Psychology Department, Pomona College
 2015 University of Wisconsin Madison, Developmental Brown Bag
 2015 University of Illinois Developmental Brown Bag
 2014 Institute of Psychology, Leiden University, Netherlands
 2014 University of Illinois Cognitive Psychology Brown Bag
 2013 Plenary speaker, International Association of Cross-Cultural Psychology, UCLA
 2013 University of Illinois Social and Personality Brown Bag
 2013 University of Illinois Social Development Consortium
 2012 University of Illinois Cognitive Neuroscience Brown Bag
 2012 University of Illinois Developmental Brown Bag
 2011 UCLA Developmental Research Colloquium
 2011 UCLA Graduate Course in Human Development
 2010 UCLA Center for Culture, Brain and Development Research Colloquium
 2009 UCLA Developmental Research Colloquium
 2008 UCLA Developmental Research Colloquium
 2006 UCLA Developmental Research Colloquium

F) TEACHING ACTIVITIES

UNDERGRADUATE COURSES (PAST 5 YEARS)

PSYC 180 Social Media, Technology, and the Adolescent Brain, UNC Chapel Hill	Spring 2021	(140 students)
	Fall 2020	(238 students)
PSYC 471 Adolescent Development, UNC Chapel Hill	Spring 2025	(75 students)
	Fall 2018	(32 students)
PSYC 395 Independent Research, UNC Chapel Hill	Spring 2023	(3 students)
	Fall 2022	(2 students)
	Spring 2022	(1 student)
	Fall 2021	(1 student)
	Spring 2021	(3 students)
	Fall 2020	(1 student)
	Fall 2019	(1 student)
	Fall 2018	(2 students)
	Fall 2017	(3 students)

GRADUATE COURSES (PAST 5 YEARS)

PSYC 781 Carolina Consortium on Human Development, UNC Chapel Hill	Spring 2020	(14 students)
PSYC 768 Developmental Social Neuroscience, UNC Chapel Hill	Spring 2023	(10 students)

	Spring 2019	(11 students)
	Spring 2017	(10 students)
PSYC 993 Masters Research, UNC Chapel Hill	Spring 2023	(1 students)
	Fall 2022	(2 student)
	Spring 2022	(3 students)
	Fall 2021	(3 students)
	Spring 2021	(4 students)
	Fall 2020	(4 students)
	Spring 2020	(2 students)
	Fall 2019	(2 students)
	Spring 2018	(1 students)
PSYC 994 Doctoral Research UNC Chapel Hill	Spring 2023	(3 students)
	Fall 2022	(2 student)
	Spring 2022	(2 students)
	Fall 2021	(1 student)
	Spring 2020	(2 students)
	Fall 2020	(2 students)
	Spring 2019	(2 students)
	Fall 2018	(2 students)
	Spring 2018	(2 students)
	Fall 2017	(2 students)

GRADUATE STUDENTS SUPERVISED

Ryan Tsai, M.A.	UNC Chapel Hill, 2023 – present
Elizabeth Escalante, B.A.	UNC Chapel Hill, 2023 – present
Jack David, M.A.	UNC Chapel Hill, 2023 – present
Shedrick Garrett, M.A.	UNC Chapel Hill, 2021 – present M.A. thesis, Fall 2022, “Momentary Links Between Adolescents’ Digital Media Use and Social Connectedness: Differences by Gender and In-Person Social Interactions”
Maria Maza, M.A.	UNC Chapel Hill, 2020 – present M.A. thesis, Spring 2023 “Neurobiological sensitivity to popularity moderates daily links between social media and affect”
James Capella, M.A.	UNC Chapel Hill, 2020 – present M.A. thesis, Spring 2022, “Adolescents’ Neural Sensitivity to Social Status and Longitudinal Links to Risk Taking and Prosocial Behavior”
Nathan Jorgensen, Ph.D.	UNC Chapel Hill, 2018 – 2023 Comprehensive exams, Spring 2022 Dissertation, Spring 2023, “Bringing diverse experiences into development: Considering race, ethnicity, and identity in the development of adolescent social cognition” Current position: Postdoctoral scholar, University of North Carolina Chapel Hill
Seh-Joo Kwon, Ph.D.	UNC Chapel Hill, 2018 – 2023 Comprehensive exams, Spring 2021 Dissertation, Spring 2023 “Neurodevelopmental Changes In Social And Adaptive Risk Taking In Adolescence” Current position: Postdoctoral scholar, Rutgers University

Kathy Do, Ph.D.	<p>UNC Chapel Hill, 2015 – 2021</p> <p>Comprehensive exams, Summer 2018</p> <p>Dissertation, Spring 2021, “Behavioral and Neural Integration Of Parent And Peer Influence Across Adolescence: Implications For Risk Taking”</p> <p>Current position: Postdoctoral scholar, University of North Carolina Chapel Hill</p>
Ethan McCormick, Ph.D.	<p>UNC Chapel Hill, 2014 – 2020</p> <p>M.A. thesis, Spring 2016, “Adaptive Adolescent Flexibility: Neurodevelopment of Decision-Making and Learning in a Risky Context”</p> <p>Comprehensive exams, Fall 2017</p> <p>Dissertation, Spring 2020 “Neural Network Plasticity in Response to Experience: Contributions of Learning and Development”</p> <p>Current position: Assistant Professor, Leiden University, Netherlands</p>
Paul Sharp, Ph.D.	<p>UNC Chapel Hill, 2015 – 2019</p> <p>M.A. thesis, Spring 2016, “Strength of family bond predicts disrupted neural habituation to visual familial threat in adolescence”</p> <p>Comprehensive exams, Fall 2017</p> <p>Dissertation, Spring 2019 “Elucidating the Nature and Development of Neural Mechanisms Associated with Anxious Apprehension and Anxious Arousal across Adolescence”</p> <p>Current position: Postdoctoral scholar, Yale University</p>
Michael Perino, Ph.D.	<p>University of Illinois, 2014 – 2018</p> <p>M.A. thesis, Spring 2014 “A Neural Examination of Adolescents’ Compromised Inhibitory Control in Socially Appetitive and Aversive Contexts”</p> <p>Comprehensive exams, Fall 2017</p> <p>Dissertation, Spring 2018 “A Social Neuroscience Approach to Understanding Adolescent Delinquency and Bullying”</p> <p>Current position: Assistant Professor, University of Washington St Louis</p>
Yang Qu, Ph.D.	<p>University of Illinois, 2012 – 2016</p> <p>Comprehensive exams, Spring 2015</p> <p>Dissertation, Fall 2016 “The Implications of Conceptions of Adolescence for Adolescents’ Psychological Adjustment: Experimental and Longitudinal Neuroimaging Evidence”</p> <p>Current position: Assistant Professor, School of Education and Social Policy, Northwestern University</p>

POSTDOCTORAL STUDENTS SUPERVISED

Angelica Carranza	<p>UNC Chapel Hill, 2024 – present</p>
Jessica S. Flannery, Ph.D.	<p>UNC Chapel Hill, 2021 – present</p>
Jolien Trekels, Ph.D.	<p>UNC Chapel Hill, 2022 – 2024</p> <p>Current position: Assistant Professor, University of Vienna</p>
Junqiang, Dai Ph.D.	<p>UNC Chapel Hill, 2021 – 2024</p> <p>Current position: Assistant Professor, Georgia State University</p>
Emma Armstrong-Carter, Ph.D	<p>UNC Chapel Hill, 2022 – 2023</p> <p>Current position: Assistant Professor, Tufts University</p>
Natasha Duel, Ph.D.	<p>UNC Chapel Hill, 2018 – 2023</p> <p>Current position: Assistant Professor, Cal Polytechnic State University, San Luis Obispo</p>

Benjamin Nelson, Ph.D.	UNC Chapel Hill, 2020 – 2021 Current position: Clinical Research Scientist, Meru Health
Jessica Flannery, Ph.D.	UNC Chapel Hill, 2020 – 2021 Current position: Clinical Research Scientist, Limbix Health
Caitlin Turpyn, Ph.D.	UNC Chapel Hill, 2019 – 2021 Current position: Post doc, Devereux Children’s Behavioral Health system
Christina Rogers, Ph.D.	UNC Chapel Hill, 2016 – 2019 Current position: Assistant Professor, Human Development and Family Studies, Texas Tech University
Jorien van Hoorn, Ph.D.	UNC Chapel Hill, 2016 – 2018 Current position: Assistant Professor, Leiden University
Tae-Ho Lee, Ph.D.	UNC Chapel Hill, 2015 – 2018 Current position: Associate Professor, Department of Psychology, Virginia Tech University

MASTERS COMMITTEE (CHAIED)

David Jack	Developmental Psychology, UNC Chapel Hill (proposal Spring 2024)
Ryan Tsai	Developmental Psychology, UNC Chapel Hill (Spring 2025)
Elizabeth Escalante	Developmental Psychology, UNC Chapel Hill (Fall 2024)
Maria Maza	Developmental Psychology, UNC Chapel Hill (Fall 2023)
Shedrick Garrett	Developmental Psychology, UNC Chapel Hill (Fall 2022)
James Capella	Developmental Psychology, UNC Chapel Hill (Spring 2022)
Ethan McCormick	Developmental Psychology, University of Illinois (Spring 2016)
Michael Perino	Developmental Psychology, University of Illinois (Spring 2015)

MASTERS COMMITTEE (SERVED ON)

Samantha Brosso	Social Psychology, UNC Chapel Hill (Fall 2022)
Amanda Wylie	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Jessica Goldblum	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Joseph Leshin	Developmental Psychology, UNC Chapel Hill (Fall 2020)
Cynthia Yuen	Developmental Psychology, University of Illinois (Spring 2016)
Suhkyung Kim	Cognitive Neuroscience, University of Illinois (Spring 2014)
Yang Qu	Developmental Psychology, University of Illinois (Spring 2013)

DISSERTATION COMMITTEE (CHAIED)

Maria Maza	Developmental Psychology, UNC Chapel Hill (proposal Fall 2024)
James Capella	Developmental Psychology, UNC Chapel Hill (Spring 2025)
Nathan Jorgenson	Developmental Psychology, UNC Chapel Hill (Spring 2023)
Seh-Joo Kwon	Developmental Psychology, UNC Chapel Hill (Spring 2023)
Kathy Do	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Ethan McCormick	Developmental Psychology, UNC Chapel Hill (Spring 2020)
Paul Sharp	Developmental Psychology, UNC Chapel Hill (Spring 2019)
Michael Perino	Developmental Psychology, University of Illinois (Spring 2018)

DISSERTATION COMMITTEE (SERVED ON)

Yexinyu “Yolanda” Yang	Clinical Psychology, UNC Chapel Hill (proposal Spring 2025)
Saifa Sarah Pirani	Quantitative Psychology, UNC Chapel Hill (proposal Spring 2025)

Kara Fox	Clinical Psychology, UNC Chapel Hill (Spring 2025)
Olivia Pollak	Clinical Psychology, UNC Chapel Hill (Spring 2025)
Lucy Lurie	Clinical Psychology, UNC Chapel Hill (Spring 2025)
Natalie Frye	Social Psychology, UNC Chapel Hill (Spring 2025)
Adrienne Bonar	Social Psychology, UNC Chapel Hill (Spring 2025)
Joseph Leshin	Social Psychology, UNC Chapel Hill (Summer 2023)
Haley Skymba	Developmental Psychology, University of Illinois (Spring 2024)
Haina Modi	Developmental Psychology, University of Illinois (Spring 2023)
Xiaomei Li	Human Development, University of Illinois (Summer 2023)
Aslihan Imamoglu	Cognitive Psychology, UNC Chapel Hill (Spring 2024)
Mac Woodburn	Cognitive Psychology, UNC Chapel Hill (Spring 2023)
Jason Hannay	Social Psychology, UNC Chapel Hill (Spring 2022)
Marketa Burnett	Developmental Psychology, UNC Chapel Hill (Spring 2022)
Melissa Grimes	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Alexandra Miller	Clinical Psychology, UNC Chapel Hill (Spring 2022)
Laura Machlin	Clinical Psychology, UNC Chapel Hill (Spring 2021)
Maleeha Haroon	Clinical Psychology, UNC Chapel Hill (Spring 2020)
Maya Massing-Shaffer	Clinical Psychology, UNC Chapel Hill (Spring 2020)
Heidi Vuletich	Developmental Psychology, UNC Chapel Hill (Spring 2020)
Grant Canipe	Developmental Psychology, UNC Chapel Hill (Spring 2020)
Katie Perkins	Developmental Psychology, UNC Chapel Hill (Spring 2017)
Jacqueline Nesi	Clinical Psychology, UNC Chapel Hill (Spring 2017)
Yang Qu	Developmental Psychology, University of Illinois (Fall 2016)
Maayan Stevans	Developmental Psychology, University of Illinois (Spring 2016)
Emily Xin Zhang	Developmental Psychology, University of Illinois (Spring 2016)
Jennifer Monti	Developmental Psychology, University of Illinois (Spring 2015)
Stephanie Sloane	Developmental Psychology, University of Illinois (Spring 2014)
Jennifer Jackson	Psychological Science, University of Melbourne, Australia (Fall 2014)
Cecilia Cheung	Developmental Psychology, University of Illinois (Spring 2013)

UNDERGRADUATE HONORS THESIS (CHAired)

Kennedy Kreidell	Developmental Psychology, UNC Chapel Hill (Spring 2023)
Glorimel Rodriguez	Developmental Psychology, UNC Chapel Hill (Spring 2022)
Hannah Netschytailo	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Olesya Iosipchuk	Developmental Psychology, UNC Chapel Hill (Spring 2021)
Kelsey Smith	Developmental Psychology, UNC Chapel Hill (Spring 2020)
Melissa Burroughs	Developmental Psychology, UNC Chapel Hill (Spring 2019); awarded Dashiell-Thurstone Prize for best senior honors thesis
Joao Guasi Moreira	Developmental Psychology, University of Illinois (Spring 2016)

UNDERGRADUATE HONORS THESIS (SERVED ON)

Maya Tadross	Clinical Psychology, UNC Chapel Hill (Spring 2023)
Kayla Baresich	Clinical Psychology, UNC Chapel Hill (Spring 2021)

McNAIR SCHOLARS MENTORSHIP

Joseph Flesch	UNC Chapel Hill (2023)
Glorimel Rodriguez	UNC Chapel Hill (2021)
Hannah Netschytailo	UNC Chapel Hill (2020)

TEACHING MENTORSHIP

Marketa Burnett, Developmental Psychology Instructor, Spring 2021

Lindsay Gomes, Developmental Psychology Instructor, Spring 2020
Kylie Bezdek, Developmental Psychology Instructor, Spring 2019
Grant Canipe, Developmental Psychology Instructor, Spring 2018
Yang Qu, Child Development Instructor, Fall 2012

G) RESEARCH GRANTS, FUNDING, AND GIFTS

CURRENT

Collab_652 (Prinstein, Telzer, MPis) 04/01/25 – 07/31/27

The North Carolina Collaboratory

Smartphone Interactions and Learning Experiences

Role: Principal Investigator (1% effort)

Total costs: \$301,285

The purpose of this project is to examine how school device usage relates to academic, behavioral, social, and psychological functioning. The insights gained in this study will inform recommendations that can be made about school-based digital device usage, and what environments may be best for student learning.

1R21MH135476 (Burnell, Telzer, MPis) 09/12/24 – 08/30/26

National Institutes of Health

Social Media Use in Early Adolescence: Implications for Body Image

Role: Principal Investigator (8% effort)

This longitudinal project uses eye tracking to examine attentional biases related to body image and links to mental health over time.

R01DA051127-04S1 (Telzer, Lindquist, MPis) 07/01/24 – 06/30/26

National Institutes of Health

Neurobiological Susceptibility to Peer Influence and Drug Use in Adolescence

Role: Principal Investigator (0% effort)

Total costs: \$114,963

This diversity supplement supports Angelica Cerveza as a postdoctoral scholar.

63334 (Telzer, Prinstein, MPis) 08/01/24 – 06/30/29

Templeton Foundation

Character development through adolescent brains, peers, and technology use: a longitudinal, multimethod investigation

Role: Principal Investigator (12.5% effort)

Total costs: \$2,491,244

This project uses a community based participatory approach, experimental tasks, and longitudinal fMRI to examine peer influence in a digital context and the development of character across adolescence.

1P01HD109850-01 (Moreno, PI)

National Institutes of Health

A longitudinal study investigating TDM and adolescent health and development:

Brain, behavior and well-being

Role: Site PI (16.7% effort)

Total costs: \$6,149,247

Subaward costs: \$70,735

This project examines the links between digital media use and neural activation related to social influence in adolescents.

09/12/22 – 08/31/27
terminated 3/20/25

The Winston Family Foundation (Telzer and Prinstein, MPIS) 01/01/22 – 06/30/28
The Winston National Center on Technology Use, Brain, and Psychological Development
 Role: Principal Investigator (33% effort)
 Total costs: \$7,500,000
 This gift supports the launch of a national center at UNC aimed at understanding the role of technology on youth development. The center has a five-pronged mission including work to fulfill: (1) an Educational Mission; (2) Outreach; (3) Research; (4) Public Health; and (5) Adolescent/Emerging Adult Involvement.

R01DA051127 (Telzer, Lindquist, MPIS) 07/01/20 – 06/30/24
 National Institutes of Health
Neurobiological Susceptibility to Peer Influence and Drug Use in Adolescence
 Role: Principal Investigator (33% effort)
 Total costs: \$3,395,273
 The goal of this project is to examine the neurobiological markers of social influence susceptibility. Using an accelerated longitudinal design, we will investigate how individual differences in connectivity within and between neural networks predict prospective substance use initiation in the context of peers.

R01MH119091 (Cohen, PI) 06/01/19 – 05/31/24
 National Institutes of Health
Longitudinal Investigation of the Neurobiological Underpinnings of Risk Behavior in ADHD Throughout the Adolescent Transition: The Key Role of Cognitive Control and Motivation Network Development
 Role: Co-Investigator (8% effort)
 The goal of this study is to characterize behavioral trajectories of cognitive control, motivation, and their interaction in ADHD and typically developing youth from childhood into adolescence, to characterize the development of structural and functional brain network organization during the same time period, and to identify neural, behavioral, and clinical features of pre-adolescent ADHD that predict clinical outcomes and risk-taking behavior during adolescence.

COMPLETED

Adolescent Development Extended Learning Support (Lewis, PI) 07/01/22 – 06/30/23
 Para Institute, Sponsored by the Bezos Family Foundation
A Community Convening: Adolescents and Social Media/Virtual Reality
 Role: Collaborator (0% effort)
 Total costs: \$10,000
 In collaboration with Gestalt Community Schools, we will host a convening that includes adolescents, parents, teachers, counselors, and community members to tackle social media's challenges and opportunities for students. Our main objective is to secure a holistic community view of this challenge with the voice of our adolescents elevated and at the center of these critical discussions and problem-solving sessions.

CF-0214 - CP22-005 (Lockwood, Kosse, Muthakrishna, Telzer, MPIS) 09/01/21 – 08/31/23
 Canadian Institute for Advanced Research and Jacobs Foundation
Lifespan Similarities and Differences in Prosocial Behaviour Across the Globe
 Role: Principal Investigator (0% effort)
 Total costs: \$40,127
 The goal of this cross-national collaborative project is to examine prosocial behaviors across development and cultures around the world.

2018-1288-13 (Telzer, PI) 01/01/19 – 06/30/23 (NCE)
 Jacobs Foundation Early Career Research Fellowship
Trajectories of Prosocial Behavior and Risk Taking across Adolescence
 Role: Principal Investigator (4% effort)

Total costs: \$166,088

The goal of this study is to examine developmental trajectories of the behavioral and neural correlates of risk-taking and prosocial behavior across adolescence using a 4-wave longitudinal neuroimaging design.

R01HD093823 (Fuligni, PI)

01/26/18 – 12/31/22

National Institutes of Health

Prosocial Behavior and Neural Development during Adolescence

Role: Co-Investigator (8% effort)

Total costs: \$3,209,615, UNC sub-award: \$110,734

The goal of this study is to examine the neural processes involved in giving to others during adolescence using an accelerated longitudinal design in order to unpack developmental trajectories of giving to family, peers, and strangers.

The Winston Family Foundation (Telzer and Prinstein, MPIs)

01/01/22 – 06/30/23

Winston Family Initiative Research Supplement

Role: Principal Investigator (25% effort)

Total costs: \$250,000

This research supplement will focus on examining how technology addiction relates to neural processing in college students as well as early technology use onset in 3rd graders.

The Winston Family Foundation (Telzer and Prinstein, MPIs)

01/01/20 – 12/31/22

Winston Family Initiative in Adolescent Brain Development and Technology

Role: Principal Investigator (25% effort)

Total costs: \$3,043,000

This initiative focused its efforts in three key areas: 1) new course development and teaching dedicated to the effects of the technology on adolescent brain development 2) a longitudinal research study examining technology and social media use and the developing adolescent brain, and 3) the dissemination of research findings and their implications.

R01DA039923 (Telzer, PI)

07/01/15 – 03/31/22 (NCE)

National Institutes of Health

Incorporating the Social Context into Neurocognitive Models of Adolescent Risk Taking

Role: Principal Investigator (37.75% effort)

Total costs: \$2,865,423

This project examines the role of family and peer contexts on longitudinal changes in neurocognition and risk for drug use. Particular attention is paid to pubertal versus age-related changes in neural processing and links to risk taking.

R01DA051127-02S1 (Telzer, PI)

05/31/21 – 08/31/21

National Institutes of Health

Neurobiological Susceptibility to Peer Influence and Drug Use in Adolescence

Role: Principal Investigator (0% effort)

Total costs: \$12,528

This award provides support under the 2021 NIDA Summer Research Internship Program. Funds provided support to 2 undergraduate students with a focus on increasing underrepresented populations in drug abuse and addiction research.

R21MH112578 (Telzer and McElwain, MPIs)

07/01/17 – 04/30/20 (NCE)

National Institutes of Health

Integration of Neural Networks and Attachment in Human Infants

Role: Principal Investigator (4.2% effort)

Total costs: \$250,000

This project combines interdisciplinary techniques including observational methods in the lab and home, and longitudinal brain scans to examine how infant-mother attachment is related to the integration of neural networks across the first year of life.

R01DA039923-05S1 (Telzer, PI) 05/31/19 – 08/31/19
National Institutes of Health
Incorporating the Social Context into Neurocognitive Models of Adolescent Risk Taking
Role: Principal Investigator (0% effort)
Total costs: \$8,467
This award provides support under the 2019 NIDA Summer Research Internship Program. Funds provided support to one undergraduate student with a focus on increasing underrepresented populations in drug abuse and addiction research.

BCS 1539651 (Telzer and McElwain, MPis) 08/16/16 – 08/15/19 (NCE)
National Science Foundation
Stress-Related Neural Responses Linking Toddler-Mother Attachment and Adolescent Adjustment
Role: Principal Investigator (4.2% effort)
Total costs: \$450,000
The goal of this longitudinal project is to examine how toddler-mother attachment security at age 2.5 years is associated with neural processing of emotions as youth are entering adolescence at age 13 years and links to socioemotional well-being at age 14 years.

SES 1459719 (Telzer, PI) 05/01/15 – 04/30/19 (NCE)
National Science Foundation
Social and Cultural Influence on the Neurobiology of Adolescent Risk Taking
Role: Principal Investigator (8% effort)
Total costs: \$520,000
The goal of this project is to examine how family and peer contexts differentially modulate neurocognition and predict changes in adolescent risk-taking behavior over time.

BCS 1551952 (Fuligni, PI) 09/01/16 – 08/31/18
National Science Foundation
Giving to Others and Neural Development During Adolescence
Role: Consultant (0% effort)
Total costs: \$337,780
The goal of this study is to examine the neural processes involved in giving to others during adolescence.

R03MH105655 (Telzer and Rudolph, MPis) 08/16/15 – 08/15/17
National Institutes of Health
Social Sensitivity and Depression in Peer-Victimized Girls: Insights from Neuroscience
Role: Principal Investigator (2.1% effort)
Total costs: \$158,600
The goal of this project is to examine how chronic peer stress sensitizes the developing brain to social threat and contributes to the emergence of depression in adolescent girls.

22492 (Telzer, PI) 01/15/15 – 09/14/17
Brain and Behavior Research Foundation, NARSAD Young Investigator Grant
Neural Sensitivity to Social Threat and the Development of Depression in At-Risk Girls
Role: Principal Investigator (8.3% effort)
Total costs: \$65,000

The goal of this project is to examine how social stressors sensitize the developing brain and contribute to the emergence of clinical depression in adolescent girls. In depth mental health and stress interviews will be conducted following fMRI scans assessing social threat.

2014-1095 (Telzer, PI) 01/01/15 – 12/31/16

Jacobs Foundation, Young Scholars Grant

Neural Mechanisms Linking Early Child-Father Relationship Quality to Adolescent Adjustment

Role: Principal Investigator

Total costs: \$44,206 (0% effort)

The goal of this longitudinal project is to examine how early child-father relationship quality at age 2.5 years is associated with neural processing of emotions as youth are entering adolescence at 13 years.

Telzer, PI 09/01/14 – 03/01/15

Immigrant Health Transitions Initiative Seed Grant, University of Illinois at Urbana Champaign

The Impact of Family Meals on European and Asian American Youth's Physical Health

Role: Principal Investigator (0% effort)

Total costs: \$5,000

Research Board, University of Illinois, Urbana Champaign (Rudolph, PI) 09/01/13 – 08/31/14

Do Peer-Victimized Children Feel More Social Pain? Insights from Neuroscience

Role: Consultant (0% effort)

Total costs: \$24,000

F31DA029979 (Telzer, PI) 09/01/10 – 08/31/12

National Institutes of Health, National Research Service Award

Neural Mechanisms Underlying the Protective Effects of Familism on Drug Use among Latino Youth

Role: Principal Investigator (100% effort)

Total costs: \$64,606

Telzer, PI 09/01/10 – 08/31/12

University of California Institute for Mexico and the United States Dissertation Research Grant

The Protective Effects of Familism on Drug Use among Mexican Immigrant Youth

Role: Principal Investigator (0% effort)

Total costs: \$12,000

SES 1023293 (Telzer, PI) 09/01/10 – 08/31/11

National Science Foundation, Dissertation Research Improvement Grant

Neural Mechanisms Underlying the Protective Effects of Familism on Risk Taking

Role: Principal Investigator (0% effort)

Total costs: \$24,582

Telzer, PI 09/01/10 – 08/31/11

American Psychological Foundation and Council of Graduate Departments of Psychology Graduate Research Award

An fMRI study of the Protective Effects of Familism on Risk Taking and Drug Use among Latino Adolescents

Role: Principal Investigator (0% effort)

Total costs: \$2,000

Telzer, PI 09/01/10 – 08/31/11

Society for Research on Child Development Dissertation Fund Award

Neural Mechanisms Underlying the Protective Effects of Familism on Risk Taking and Substance Use among Latino Adolescents

Role: Principal Investigator (0% effort)
Total costs: \$2,000

Telzer, PI 09/01/10 – 08/31/11

Norma and Seymour Feshbach Doctoral Dissertation Award
Behavioral and Neural Mechanisms Underlying the Protective Effects of Familism on Risk Taking among Latino Youth

Role: Principal Investigator (0% effort)
Total costs: \$1,000

MENTORED STUDENT GRANTS AND FELLOWSHIPS

Jessica S. Flannery
National Institutes of Health, F32DA057876 07/01/23 – 08/01/26

Shedrick Garrett
Ford Foundation Graduate Fellowship 09/01/23 – 05/14/24
National Science Foundation Graduate Research Fellowship 05/15/24 – 08/31/27

Emma Armstrong-Carter
National Science Foundation Postdoctoral Research Fellowship 09/01/22 – 08/31/24

Seh-Joo Kwon
Jessie Ball duPont Dissertation Fellowship (\$20,000), UNC Chapel Hill 09/01/22 – 05/15/23
Student Fellow at Royster Society of Fellows, UNC Chapel Hill 09/01/22 – 05/15/23
Carol and Ed Smithwick Summer Research Fellowship (\$5000), UNC 05/15/22

Natasha Duell
National Science Foundation Postdoctoral Research Fellowship 09/01/21 – 08/31/22
NICHD T32 Carolina Consortium on Human Development Postdoctoral Fellowship 08/16/18 – 08/15/20

Kathy Do
Philanthropic Educational Organization Scholar Award 09/01/20 – 06/01/21
NICHD T32 Carolina Consortium on Human Development Predoctoral Fellowship 09/01/19 – 08/31/21
National Science Foundation Graduate Research Fellowship 09/01/17 – 08/31/20

Glorimel Rodriguez
Summer Undergraduate Research Fellowship, UNC Chapel Hill 06/15/20 – 08/15/20

Caitlin Turpyn
National Institutes of Health, F32DA049461 08/27/19 – 08/26/21

Melissa Burroughs
Peele Memorial Research Award, UNC Chapel Hill 10/01/18 – 05/15/19

Ethan McCormick
Dashiehl Dissertation Startup Award, UNC Chapel Hill 09/18/17 – 05/31/18

Joao Guassi Moreira
Summer Undergraduate Research Fellowship, University of Illinois 06/01/15 – 08/15/15
Experiment.com Research Grant 05/01/14

Cynthia Yuen
American Psychological Association Junior Scientist Fellowship 09/01/14
National Science Foundation Graduate Research Fellowship 06/01/13 – 05/31/16

Michelle Miernicki
National Science Foundation Graduate Research Fellowship 06/01/13 – 05/31/16

H) PROFESSIONAL SERVICE

TO THE DISCIPLINE

EDITORIAL SERVICE

2025 – present	Editorial board member, <i>Development and Psychopathology</i>
2025 – present	Section Editor, <i>Brain and Environment</i>
2024	Guest Editor, <i>Affective Science</i>
2023	Guest Editor, <i>Developmental Cognitive Neuroscience</i>
2022 – present	Editorial board member, <i>Developmental Cognitive Neuroscience</i>
2022	co-Editor, <i>Handbook of Adolescent Social Media Use and Mental Health</i> , Cambridge University Press
2021 – present	Associate Editor, <i>Child Development</i>
2020 – present	Associate Editor, <i>Social Cognitive Affective Neuroscience</i>
2019 – 2021	Consulting Editor, <i>Child Development</i>
2018, 2019	Guest Editor, <i>Proceedings of the National Academy of Sciences</i>
2018 – 2020	Consulting Editor, <i>Social Cognitive Affective Neuroscience</i>
2018 – present	Consulting Editor, <i>Journal of Research on Adolescence</i>
2017	co-Editor, <i>Handbook of Culture and Biology Interplay</i> , Wiley Press
2015 – present	Editorial board member, <i>Adolescent Research Review</i>
2015	Guest Editor, special issue “Culture and Biology Interplay,” <i>Cultural Diversity and Ethnic Minority Psychology</i>
2014 – 2018	Editorial board member, <i>Journal of Youth and Adolescence</i>
2013 – 2020	Review editor, <i>Frontiers in Human Neuroscience</i>

AD HOC REVIEWER, JOURNALS

American Journal of Psychiatry; Archives of General Psychiatry; Biology of Mood and Anxiety Disorders; Biological Psychiatry; Biological Psychology; Brain and Cognition; British Journal of Developmental Psychology; Cerebral Cortex; Child Development; Child Development Perspectives; Cognitive Affective and Behavioral Neuroscience; Culture and Brain; Developmental Cognitive Neuroscience; Developmental Psychobiology; Developmental Psychology; Developmental Science; Emotion; Frontiers in Human Neuroscience; Human Development; International Journal of Psychology; Journal of Abnormal Child Psychology; Journal of Adolescent Research; Journal of Adolescence; Journal of the American Academy for Child and Adolescent Psychiatry; Journal of the American Medical Association, Psychiatry; Journal of Child Psychology and Psychiatry; Journal of Cognitive Neuroscience; Journal of Early Adolescence; Journal of Experimental Child Psychology; Journal of Experimental Psychology: General; Journal of Family Psychology; Journal of Neuroscience; Journal of Personality and Social Psychology; Journal of Research on Adolescence; Journal of Youth and Adolescence; Nature Communications; Nature Neuroscience; Neuroimage; Neuropsychologia; Neuroscience & Biobehavioral Reviews; Perspectives in Child Development; Perspectives in Psychological Science; Proceedings of the National Academy of Sciences; Psychiatry Research: Neuroimage; Psychological Bulletin; Psychological Science; Scientific Reports; Social Cognitive and Affective Neuroscience; Social Development; Trends in Cognitive Sciences

EXTERNAL GRANT REVIEW

2022	Reviewer, Graduate Women in Science (GWIS) National Fellowship Program
2019	Ad Hoc Reviewer, Social Psychology, National Science Foundation
2017	Reviewer, European Research Counsel
2017	Reviewer, Russell Sage Foundation
2017	Reviewer, Israel Science Foundation
2016 – 2020	Member, Psychosocial Development, Risk, and Prevention Study Section, National Institutes of Health

2016 – present Member, College of Reviewers, Developmental Sciences, National Science Foundation
2015 Ad Hoc Reviewer, Developmental Sciences, National Science Foundation
2015 Ad Hoc Reviewer, Psychosocial Development, Risk, and Prevention Study Section, National Institutes of Health
2014, 2015 Reviewer, Social Sciences and Humanities Research Council of Canada
2014 Early Career Reviewer, Biobehavioral Mechanisms of Emotion, Stress and Health Study Section, National Institutes of Health
2014 Early Career Reviewer, Psychosocial Development, Risk, and Prevention Study Section, National Institutes of Health

OTHER SERVICE TO THE DISCIPLINE

2023 Search Committee Member, Child Development Editor in Chief search
2018, 2020, 2023, Review Panel Chair, Biological and Neurological Mechanisms, Society for Research
2024 on Adolescence Biannual Meeting
2022 Program Committee, Flux Congress Annual Meeting, Paris France
2022 Mentor, Society for Research on Adolescence (SRA) International Young Scholars Program (IYSP)
2018 Program Committee, Flux Congress Annual Meeting Berlin Germany
2017-2018 Organizer and Host, Flux Congress, Satellite Conference Big Data Little Brains
2017 Reviewer, Annual Meeting of the Cognitive Science Society
2015, 2017 Reviewer, Society for Research on Child Development Biannual Meeting
2014, 2015, 2016 Review Committee, Social and Affective Neuroscience Society Annual Meeting
2014, 2016 Reviewer, Society for Research on Adolescence Biannual Meeting

INSTITUTIONAL SERVICE

2018 – present Promotion review committee member, 1-2 promotion cases per year
2023-2024 Search committee member, Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2022-2023 Search committee chair, Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2021-2022 Search committee chair, Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2022 – present Graduate Education Committee, Department of Psychology and Neuroscience, UNC Chapel Hill
2022 – present Program Director, Developmental Psychology Program, Department of Psychology and Neuroscience, UNC Chapel Hill
2021 Poster judge, Women in Science Symposium, UNC Chapel Hill
2020-2021 Search committee member, Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2021 Reviewer, Summer Undergraduate Research Fellowship, UNC Chapel Hill
2021 – 2023 Faculty advisor, Students for More Human Technology Club, UNC Chapel Hill
2020 – 2023 Co-chair, Climate and Inclusion subcommittee, Justice Equity Diversity and Inclusion (JEDI) Core, Department of Psychology and Neuroscience, UNC Chapel Hill
2020 – present Executive committee member, Frank Porter Graham Child Development Institute, Carolina Consortium on Human Development, T32 Training Program, Chapel Hill NC
2020 Interim Program Director, Developmental Psychology Program, Department of Psychology and Neuroscience, UNC Chapel Hill
2019 Psych&Neuro Fest faculty organizer, UNC Chapel Hill
2019 Honors committee member, Department of Psychology and Neuroscience, UNC Chapel Hill
2019 – 2020 Faculty advisor, Psychology Club, UNC Chapel Hill

2018-2019	Search committee member, Teaching Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2018-2019	Search committee member, Assistant Professor position, Department of Psychology and Neuroscience, UNC Chapel Hill
2018-2019	Search committee member, Associate Director, Frank Porter Graham Child Development Institute, UNC Chapel Hill
2019 – present	Human Neuroimaging Group computing committee member, UNC Chapel Hill
2018	Postdoctoral selection committee, Carolina Consortium on Human Development, Chapel Hill NC
2017 – 2019	Executive committee member, Center for Developmental Science, Carolina Consortium on Human Development, Chapel Hill NC
2014 – 2016	Graduate education committee, University of Illinois
2013 – 2014	Graduate admissions chair, Developmental Division, University of Illinois
2013, 2014	Reviewer, Research Board, University of Illinois
2011	Moderator, Psychology Undergraduate Research Conference, UCLA
2011, 2012	Reviewer, Psychology Undergraduate Research Conference, UCLA
2007	Developmental Psychology Research Colloquium organizer, UCLA
2006	Graduate student search committee, Developmental Psychology, UCLA
2006	Graduate student recruitment organizer, Developmental Psychology, UCLA
2004	Undergraduate Research Conference organizer, Mount Holyoke College
2003 – 2004	Vice President, Psi Chi, Mount Holyoke College
2002 – 2004	President, Psychology Club, Mount Holyoke College

PUBLIC ENGAGEMENT AND OUTREACH

2023	<i>Adolescent Summit</i> , Tulsa Public Schools, Tulsa, OK. Provided keynote address and engaged in workshops with school administrators about the role of social media in youth development
2022	<i>Teen Social Media Summit</i> , Gestalt Community Schools. Provided keynote address and engaged in workshops with teens about the role of social media in youth development.
2021	<i>Carrboro Elementary School Citizen Scientist</i> . Taught elementary school students about how the brain works and develops.
2018	<i>Project Uplift</i> . Through the University Office for Diversity and Inclusion, Project Uplift is a program for academically gifted high school students from underrepresented populations. We hosted our Brain Academy to foster interest in science.
2017	<i>Frontiers for Young Minds</i> . Publish in this open access journal written for child and adolescent readers and peer reviewed by youth. <i>Frontiers for Young Minds</i> makes cutting-edge science available and accessible to younger audiences.
2017, 2018, 2019	<i>UNC Science Expo</i> . Draws over 10,000 participants from the community each year to provide the public with hands-on-exposure to make science learning fun.
2016, 2017, 2018	<i>Tar Heel Preview Day</i> . Through the Carolina Millennial Scholars Program, we hosted our Brain Academy for middle school males from ethnic minority backgrounds to foster interest in science among young, underrepresented students.
2019	
2013	<i>Grad Mentoring@Illinois Program</i> . Graduate mentor for underrepresented students, University of Illinois.

PRESS AND PUBLIC INTEREST

(click on News Title to open story)

News Articles

2023	WRAL : “Child health advocates call for action on social media algorithms, teen mental health”
2023	Labroots : “Decoding altruism: Why your brain prefers giving time over money”

- 2023 [CNN](#): “The challenges teens face on social media seem inescapable. Here’s how to moderate their use”
- 2023 [The Psychiatrist](#): “Later start times, improved outcomes a wake-up call for one Colorado school district”
- 2023 [New York Times](#): “Social media use is linked to brain changes in teens, research finds”
- 2023 [CNN](#): “For adolescents, social media might be a brain-changer, researchers say”
- 2023 [U.S. News and World Report](#): “Frequent social media checks may affect young brains”
- 2020 [PSICO Edu](#): “Teens like to take chances and it’s not for lack of self control”
- 2019 [Earth News](#): “Teen risk-taking and prosocial behavior are motivated by fun-seeking”
- 2018 [Nature](#) podcast: “A focus on adolescence”
- 2018 [Nature](#), 554, 426-428: “Sex and drugs and self-control: how the teen brain navigates risk”
- 2017 [The New York Times](#): “You’ll never be famous — And that’s O.K.”
- 2016 [The Wall Street Journal](#): “What teens need most from their parents”
- 2016 [U.S. News and World Report](#): “Is Mom and Dad’s Depression Making the Kids Wild? Brain imaging offers clues about the link between parental depression and risk-taking in adolescents.”
- 2016 [University of Illinois News Bureau](#): “Study links parental depression to brain changes and risk taking in adolescents”
- 2016 [The Greater Good Science Center, UC Berkeley](#): “When taking risks is good for teens”
- 2016 [Newsy](#): “Why fixing racial biases starts with babies”
- 2016 [The Greater Good Science Center, UC Berkeley](#): “The top 10 insights from the science of a meaningful life in 2015”
- 2016 [The Wall Street Journal](#): “How our brains respond to race”
- 2015 [Fox Nightly News](#): “Teen brains and driving: A new study shows they think behind the wheel”
- 2015 [Smithsonian](#): “10 new things science says about being a mom”
- 2015 [Psychological Science](#): “Teen brains shift gears on risk with mom watching”
- 2015 [University of Illinois News Bureau](#): “This is your teen’s brain behind the wheel”
- 2015 [Fox News](#): “Having mom in the car changes teen driver’s brains”
- 2015 [University of Illinois News Bureau](#): “Amygdala encodes 'cooties' and 'crushes' in the developing brain”
- 2015 [Cognitive Neuroscience Society](#): “How the developing brain moves from cooties to crushes”
- 2014 [U.S. News and World Report](#): “Altruism may help shield teens from depression”
- 2014 [University of Illinois News Bureau](#): “Altruistic adolescents less likely to become depressed”
- 2014 [The American Scholar](#): “Get happy: It’s not a universal pursuit”
- 2014 [The Atlantic](#): “Meaningful activities protect the brain from depression”
- 2013 [NSF Highlights](#): “The ties that bind may protect too”
- 2013 [Science News](#): “Racial homogeneity in early childhood may affect brain”
- 2013 [Psychology Today](#): “Chores and children: Getting kids to help with housework”
- 2012 [The Atlantic](#): “New evidence that racism isn’t ‘natural’”
- 2012 [Cognitive Neuroscience Society](#): “Our young brains on race: How racial perceptions develop”
- 2010 [The Greater Good Science Center, UC Berkeley](#): “All in the family”

Podcasts

- 2025 [Marketplace Tech](#): “The Infinite Scroll”
- 2024 [Children and Screens](#): “Adolescent brain development and social media use”
- 2022 [American Psychological Association](#): “Understanding the teenage brain”

TV Appearances

- 2023 [CNN The Whole Story with Anderson Cooper](#): “Wired for Trouble”
- 2023 [WRAL On the Record](#): “Social media’s impact on children”
- 2023 [Good Morning America](#): “Instagram announces ‘Quiet Mode’ to help protect teens”
- 2023 [CNN This Morning Weekend](#): “Social media could be a brain changer for teens”

- 2023 WRAL News: "Social media usage may impact brain development"
- 2023 [ABC11 News](#) "Social media is changing how children's brains develop"
- 2014 WCIA (CBS) Morning News: "New ways to stop teen depression"

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-054-LARK-0055999	TIKTOK3047MDL-054-LARK-0056027
SNAP3126937	SNAP3126949
SNAP3157225	SNAP3157284
META3047MDL-035-00001346	META3047MDL-035-00001346
META3047MDL-031-00193154	META3047MDL-031-00193159
META3047MDL-031-00170428	META3047MDL-031-00170437
META3047MDL-031-00120972	META3047MDL-031-00120984
META3047MDL-034-00136153	META3047MDL-034-00136163
META3047MDL-031-00121415	META3047MDL-031-00121429
META3047MDL-031-00121430	META3047MDL-031-00121441
META3047MDL-031-00131309	META3047MDL-031-00131312
META3047MDL-031-00131639	META3047MDL-031-00131653
META3047MDL-022-00015380	META3047MDL-022-00015395
META3047MDL-047-01373649	META3047MDL-047-01373650
META3047MDL-031-00265655	META3047MDL-031-00265661
META3047MDL-031-00121448	META3047MDL-031-00121456

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-035-00005017	META3047MDL-035-00005017
META3047MDL-031-00024886	META3047MDL-031-00024933
META3047MDL-031-00029654	META3047MDL-031-00029706
META3047MDL-035-00002917	META3047MDL-035-00002917
META3047MDL-031-00262845	META3047MDL-031-00262852
META3047MDL-035-00005132	META3047MDL-035-00005146
TIKTOK3047MDL-001-00060817	TIKTOK3047MDL-001-00060872
TIKTOK3047MDL-001-00060862	TIKTOK3047MDL-001-00060917
META3047MDL-031-00265234	META3047MDL-031-00265250
META3047MDL-019-00123373	META3047MDL-019-00123519
META3047MDL-028-00001733	META3047MDL-028-00001742

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-031-00246731	META3047MDL-031-00246734
META3047MDL-035-00002651	META3047MDL-035-00002658
TIKTOK3047MDL-001-00057954	TIKTOK3047MDL-001-00058133
META3047MDL-031-00242502	META3047MDL-031-00242504
TIKTOK3047MDL-001-00060814	TIKTOK3047MDL-001-00060830
META3047MDL-014-00356640	META3047MDL-014-00356641
META3047MDL-031-00242612	META3047MDL-031-00242616
META3047MDL-003-00053803	META3047MDL-003-00053805
META3047MDL-003-00171018	META3047MDL-003-00171020
META3047MDL-031-00118103	META3047MDL-031-00118105

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-014-00014801	META3047MDL-014-00014803
META3047MDL-035-00002761	META3047MDL-035-00002761
META3047MDL-014-00355558	META3047MDL-014-00355564
META3047MDL-019-00127577	META3047MDL-019-00127590
META3047MDL-003-00078598	META3047MDL-003-00078599
META3047MDL-003-00169733	META3047MDL-003-00169734
META3047MDL-014-00355284	META3047MDL-014-00355285
META3047MDL-031-00251445	META3047MDL-031-00251446

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00078419	META3047MDL-003-00078425
META3047MDL-003-00077939	META3047MDL-003-00077940
META3047MDL-003-00188109	META3047MDL-003-00188115
META3047MDL-014-00355137	META3047MDL-014-00355138
META3047MDL-031-00255353	META3047MDL-031-00255354
META3047MDL-019-00120925	META3047MDL-019-00120937
META3047MDL-019-00097173	META3047MDL-019-00097173
META3047MDL-003-00186838	META3047MDL-003-00186840

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-034-00056779	META3047MDL-034-00056799
META3047MDL-071-00000537	META3047MDL-071-00000600
META3047MDL-003-00186841	META3047MDL-003-00186885
META3047MDL-031-00089407	META3047MDL-031-00089430
META3047MDL-014-00352799	META3047MDL-014-00352802
META3047MDL-003-00184585	META3047MDL-003-00184589
META3047MDL-083-00000001	META3047MDL-083-00000006
META3047MDL-003-00163233	META3047MDL-003-00163254

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-019-00119896	META3047MDL-019-00119896
META3047MDL-003-00030117	META3047MDL-003-00030117
META3047MDL-014-00352250	META3047MDL-014-00352251
META3047MDL-003-00030070	META3047MDL-003-00030071
META3047MDL-003-00029988	META3047MDL-003-00030011
META3047MDL-003-00123666	META3047MDL-003-00123667
SNAP0000103	SNAP0000136
META3047MDL-003-00161686	META3047MDL-003-00161686
META3047MDL-014-00351807	META3047MDL-014-00351809
Haugen_00010114	Haugen_00010127
Haugen_00005378	Haugen_00005390
META3047MDL-003-00121808	META3047MDL-003-00121810
META3047MDL-015-00000400	META3047MDL-015-00000400

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00013254	META3047MDL-003-00013255
META3047MDL-003-00012994	META3047MDL-003-00012998
META3047MDL-004-00027398	META3047MDL-004-00027446
META3047MDL-014-00350817	META3047MDL-014-00350819
META3047MDL-003-00119838	META3047MDL-003-00119840
META3047MDL-003-00071534	META3047MDL-003-00071545
META3047MDL-003-00011697	META3047MDL-003-00011702
META3047MDL-003-00011760	META3047MDL-003-00011762
META3047MDL-034-00027362	META3047MDL-034-00027403
Haugen_00021096	Haugen_00021143
META3047MDL-035-00007047	META3047MDL-035-00007047

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00159559	META3047MDL-003-00159566
TIKTOK3047MDL-001-00060877	TIKTOK3047MDL-001-00060940
TIKTOK3047MDL-001-00060922	TIKTOK3047MDL-001-00060985
META3047MDL-003-00028214	META3047MDL-003-00028219
META3047MDL-014-00350154	META3047MDL-014-00350159
Haugen_00012303	Haugen_00012320
META3047MDL-019-00022520	META3047MDL-019-00022548
META3047MDL-003-00068860	META3047MDL-003-00068862
SNAP0000137	SNAP0000154
META3047MDL-003-00064697	META3047MDL-003-00064701
META3047MDL-003-00028019	META3047MDL-003-00028020

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-031-00084889	META3047MDL-031-00084917
META3047MDL-003-00042548	META3047MDL-003-00042553
META3047MDL-014-00349432	META3047MDL-014-00349436
META3047MDL-014-00349418	META3047MDL-014-00349421
META3047MDL-003-00107197	META3047MDL-003-00107200
Haugen_00015958	Haugen_00016000
Haugen_00019219	Haugen_00019275
META3047MDL-003-00009133	META3047MDL-003-00009134
Haugen_00005458	Haugen_00005869
Haugen_00011969	Haugen_00011983
META3047MDL-003-00157133	META3047MDL-003-00157137

Ex. B: Materials Considered List

Bates Beg	Bates End
Haugen_00016373	Haugen_00016502
META3047MDL-003-00157020	META3047MDL-003-00157027
META3047MDL-003-00157036	META3047MDL-003-00157037
Haugen_00017263	Haugen_00017300
Haugen_00008207	Haugen_00008255
META3047MDL-003-00103260	META3047MDL-003-00103260
META3047MDL-003-00156702	META3047MDL-003-00156730
META3047MDL-020-00535383	META3047MDL-020-00535400
Haugen_00007481	Haugen_00007503
TIKTOK3047MDL-001-00000622	TIKTOK3047MDL-001-00000690
Haugen_00007350	Haugen_00007465
Haugen_00021247	Haugen_00021281
META3047MDL-003-00153157	META3047MDL-003-00153160
META3047MDL-003-00153063	META3047MDL-003-00153067
META3047MDL-003-00178333	META3047MDL-003-00178337

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-031-00137474	META3047MDL-031-00137489
Haugen_00020135	Haugen_00020196
META3047MDL-019-00106590	META3047MDL-019-00106601
Haugen_00023066	Haugen_00023086
META3047MDL-003-00093303	META3047MDL-003-00093304
Haugen_00017069	Haugen_00017176
META3047MDL-035-00002796	META3047MDL-035-00002796
Haugen_00003463	Haugen_00003465
META3047MDL-003-00178437	META3047MDL-003-00178438
Haugen_00006798	Haugen_00006813
META3047MDL-047-00097321	META3047MDL-047-00097342
Haugen_00020607	Haugen_00020626

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-019-00106371	META3047MDL-019-00106390
META3047MDL-003-00089174	META3047MDL-003-00089178
META3047MDL-003-00089107	META3047MDL-003-00089110
Haugen_00024450	Haugen_00024468
META3047MDL-003-00087111	META3047MDL-003-00087117
META3047MDL-020-00588248	META3047MDL-020-00588267
Haugen_00023087	Haugen_00023100
META3047MDL-003-00176638	META3047MDL-003-00176657
Haugen_00007055	Haugen_00007062
META3047MDL-003-00043617	META3047MDL-003-00043661
META3047MDL-003-00068863	META3047MDL-003-00068907
Haugen_00024997	Haugen_00025044
META3047MDL-003-00086015	META3047MDL-003-00086016
TIKTOK3047MDL-001-00000215	TIKTOK3047MDL-001-00000256
META3047MDL-003-00146492	META3047MDL-003-00146501

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-084-00000400	META3047MDL-084-00000404
META3047MDL-003-00003731	META3047MDL-003-00003732
Haugen_00000797	Haugen_00000882
Haugen_00017177	Haugen_00017237
META3047MDL-031-00048769	META3047MDL-031-00048808
META3047MDL-003-00003188	META3047MDL-003-00003189
SNAP00000008	SNAP00000008
Haugen_00021690	Haugen_00021731
TIKTOK3047MDL-001-00058090	TIKTOK3047MDL-001-00058097
META3047MDL-014-00346869	META3047MDL-014-00346873
Haugen_00017698	Haugen_00017786
Haugen_00006240	Haugen_00006261
META3047MDL-003-00146240	META3047MDL-003-00146260
META3047MDL-014-00359270	META3047MDL-014-00359336
TIKTOK3047MDL-001-00000177	TIKTOK3047MDL-001-00000181
Haugen_00008303	Haugen_00008315
Haugen_00002372	Haugen_00002396

Ex. B: Materials Considered List

Bates Beg	Bates End
Haugen_00000934	Haugen_00000969
META3047MDL-020-00479648	META3047MDL-020-00479656
META3047MDL-003-00082165	META3047MDL-003-00082169
META3047MDL-014-00346525	META3047MDL-014-00346526
Haugen_00023849	Haugen_00023895
Haugen_00016893	Haugen_00016920
Haugen_00001033	Haugen_00001064
GOOG-3047MDL-00204566	GOOG-3047MDL-00204566
TIKTOK3047MDL-024-LARK-00043697	TIKTOK3047MDL-024-LARK-00043699
META3047MDL-003-00170806	META3047MDL-003-00170855
TIKTOK3047MDL-001-00002975	TIKTOK3047MDL-001-00003039
Haugen_00003739	Haugen_00003744
Haugen_00017238	Haugen_00017242
Haugen_00002527	Haugen_00002568
Haugen_00007080	Haugen_00007101

Ex. B: Materials Considered List

Bates Beg	Bates End
Haugen_00016728	Haugen_00016750
Haugen_00016699	Haugen_00016716
Haugen_00025741	Haugen_00025764
META3047MDL-003-00000029	META3047MDL-003-00000094
META3047MDL-003-00001846	META3047MDL-003-00001889
META3047MDL-003-00028226	META3047MDL-003-00028226
META3047MDL-003-00161881	META3047MDL-003-00161923
META3047MDL-003-00171899	META3047MDL-003-00171923
META3047MDL-020-00535571	META3047MDL-020-00535609
META3047MDL-020-00538452	META3047MDL-020-00538455
SNAP00000001	SNAP00000007
SNAP0000246	SNAP0000253
TIKTOK3047MDL-001-00000769	TIKTOK3047MDL-001-00000802
TIKTOK3047MDL-001-00000813	TIKTOK3047MDL-001-00000817
TIKTOK3047MDL-001-00002375	TIKTOK3047MDL-001-00002376
TIKTOK3047MDL-001-00002937	TIKTOK3047MDL-001-00002980
TIKTOK3047MDL-001-00060811	TIKTOK3047MDL-001-00060816
TIKTOK3047MDL-001-00060941	TIKTOK3047MDL-001-00061214
SNAP7148843	SNAP7148854
META3047MDL-003-00160083	META3047MDL-003-00160085
META3047MDL-003-00160424	META3047MDL-003-00160431
META3047MDL-020-00342154	META3047MDL-020-00342154
META3047MDL-020-00342155	META3047MDL-020-00342155
SNAP5950589	SNAP5950610
TIKTOK3047MDL-001-00061286	TIKTOK3047MDL-001-00061312
TIKTOK3047MDL-004-00122686	TIKTOK3047MDL-004-00122690

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-015-00341931	TIKTOK3047MDL-015-00342393
TIKTOK3047MDL-015-00342728	TIKTOK3047MDL-015-00342746
TIKTOK3047MDL-015-00343407	TIKTOK3047MDL-015-00343435
TIKTOK3047MDL-015-00343527	TIKTOK3047MDL-015-00343552
TIKTOK3047MDL-016-00351969	TIKTOK3047MDL-016-00351971
TIKTOK3047MDL-056-00964171	TIKTOK3047MDL-056-00964425
TIKTOK3047MDL-060-01110007	TIKTOK3047MDL-060-01110041
TIKTOK3047MDL-060-01158658	TIKTOK3047MDL-060-01158678
TIKTOK3047MDL-069-01206536	TIKTOK3047MDL-069-01206545
TIKTOK3047MDL-115-04352891	TIKTOK3047MDL-115-04352898
GOOG-3047MDL-00000001	GOOG-3047MDL-00000026
META3047MDL-003-00021048	META3047MDL-003-00021069
META3047MDL-003-00028701	META3047MDL-003-00028703
META3047MDL-003-00042307	META3047MDL-003-00042311
META3047MDL-003-00045087	META3047MDL-003-00045089
META3047MDL-003-00045154	META3047MDL-003-00045164
META3047MDL-003-00053543	META3047MDL-003-00053544
META3047MDL-003-00066361	META3047MDL-003-00066405
META3047MDL-003-00071396	META3047MDL-003-00071405
META3047MDL-003-00079909	META3047MDL-003-00079911
META3047MDL-003-00083199	META3047MDL-003-00083222
META3047MDL-003-00086451	META3047MDL-003-00086465
META3047MDL-003-00089132	META3047MDL-003-00089140
META3047MDL-003-00089141	META3047MDL-003-00089146
META3047MDL-003-00089823	META3047MDL-003-00089824
META3047MDL-003-00095008	META3047MDL-003-00095034
META3047MDL-003-00095993	META3047MDL-003-00096010
META3047MDL-003-00096948	META3047MDL-003-00096991
META3047MDL-003-00106174	META3047MDL-003-00106217
META3047MDL-003-00109173	META3047MDL-003-00109239
META3047MDL-003-00118507	META3047MDL-003-00118522
META3047MDL-003-00120590	META3047MDL-003-00120617
META3047MDL-003-00121726	META3047MDL-003-00121726
META3047MDL-003-00132592	META3047MDL-003-00132636
META3047MDL-003-00132740	META3047MDL-003-00132836

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00134794	META3047MDL-003-00134796
META3047MDL-003-00144400	META3047MDL-003-00144403
META3047MDL-003-00144500	META3047MDL-003-00144504
META3047MDL-003-00151869	META3047MDL-003-00151876
META3047MDL-003-00156508	META3047MDL-003-00156512
META3047MDL-003-00156888	META3047MDL-003-00156916
META3047MDL-003-00157185	META3047MDL-003-00157189
META3047MDL-003-00159293	META3047MDL-003-00159296
META3047MDL-003-00175114	META3047MDL-003-00175118
META3047MDL-003-00175961	META3047MDL-003-00175995
META3047MDL-003-00178107	META3047MDL-003-00178131
META3047MDL-003-00178926	META3047MDL-003-00178938
META3047MDL-004-00002225	META3047MDL-004-00002237
META3047MDL-004-00027515	META3047MDL-004-00027533
META3047MDL-005-00000096	META3047MDL-005-00000131
META3047MDL-013-00000612	META3047MDL-013-00000616
META3047MDL-014-00275614	META3047MDL-014-00275614
META3047MDL-031-00246746	META3047MDL-031-00246762
META3047MDL-034-00251794	META3047MDL-034-00251794
META3047MDL-034-00337750	META3047MDL-034-00337759
META3047MDL-037-00007064	META3047MDL-037-00007075
META3047MDL-037-00058094	META3047MDL-037-00058129
META3047MDL-044-00077299	META3047MDL-044-00077299
META3047MDL-047-01197619	META3047MDL-047-01197619
META3047MDL-053-00048552	META3047MDL-053-00048576
META3047MDL-079-00000177	META3047MDL-079-00000272
META3047MDL-087-00030017	META3047MDL-087-00030114
META3047MDL-092-00003365	META3047MDL-092-00003372
META3047MDL-106-00000004	META3047MDL-106-00000039
META3047MDL-113-00082996	META3047MDL-113-00082998
SNAP0188592	SNAP0188614
SNAP0685579	SNAP0685584
SNAP1831415	SNAP1831415

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP1894507	SNAP1894507
SNAP2183204	SNAP2183275
SNAP2519329	SNAP2519335
SNAP2676224	SNAP2676228
SNAP3840584	SNAP3840584
SNAP3843487	SNAP3843488
SNAP4137645	SNAP4137646
SNAP4306791	SNAP4306794
SNAP4416908	SNAP4416914
SNAP4427929	SNAP4427945
SNAP4723815	SNAP4723826
SNAP4911296	SNAP4911298
SNAP4955371	SNAP4955382
SNAP5059169	SNAP5059321
SNAP5123134	SNAP5123165
SNAP5300084	SNAP5300120
SNAP5442338	SNAP5442358
SNAP5499098	SNAP5499127
SNAP5557063	SNAP5557107
SNAP5567580	SNAP5567588
SNAP5573679	SNAP5573690
SNAP5852948	SNAP5852968
SNAP6050928	SNAP6050936
SNAP6110503	SNAP6110505
SNAP6145093	SNAP6145115
TIKTOK3047MDL-060-01155277	TIKTOK3047MDL-060-01155279
TIKTOK3047MDL-060-01160939	TIKTOK3047MDL-060-01160990
TIKTOK3047MDL-060-01160991	TIKTOK3047MDL-060-01161052
SNAP6110234	SNAP6110234
GOOG-3047MDL-05713335	GOOG-3047MDL-05713337
GOOG-3047MDL-05692313	GOOG-3047MDL-05692482
GOOG-3047MDL-04269559	GOOG-3047MDL-04269662
GOOG-3047MDL-05711561	GOOG-3047MDL-05711573

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-05712622	GOOG-3047MDL-05712634
GOOG-3047MDL-02328077	GOOG-3047MDL-02328088
GOOG-3047MDL-02328163	GOOG-3047MDL-02328163
META3047MDL-038-00000234	META3047MDL-038-00000247
GOOG-3047MDL-02194639	GOOG-3047MDL-02194639
GOOG-3047MDL-02185032	GOOG-3047MDL-02185109
GOOG-3047MDL-03526606	GOOG-3047MDL-03526626
GOOG-3047MDL-04585554	GOOG-3047MDL-04585564
TIKTOK3047MDL-023-00636163	TIKTOK3047MDL-023-00636163
TIKTOK3047MDL-023-00715222	TIKTOK3047MDL-023-00715222
GOOG-3047MDL-02938010	GOOG-3047MDL-02938010
GOOG-3047MDL-02937495	GOOG-3047MDL-02937517
GOOG-3047MDL-05704979	GOOG-3047MDL-05705084
GOOG-3047MDL-05705191	GOOG-3047MDL-05705401
GOOG-3047MDL-05710407	GOOG-3047MDL-05710407
TIKTOK3047MDL-016-00344108	TIKTOK3047MDL-016-00344108
SNAP0004800	SNAP0004800
SNAP0004802	SNAP0004802
TIKTOK3047MDL-084-LARK-03068759	TIKTOK3047MDL-084-LARK-03068797
SNAP1285001	SNAP1285079
SNAP1287052	SNAP1287128
GOOG-3047MDL-02172004	GOOG-3047MDL-02172195
META3047MDL-072-00715443	META3047MDL-072-00715443
GOOG-3047MDL-02169773	GOOG-3047MDL-02169798
SNAP2096698	SNAP2096699
GOOG-3047MDL-04605758	GOOG-3047MDL-04605763
GOOG-3047MDL-02324910	GOOG-3047MDL-02324910

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-03596273	GOOG-3047MDL-03596273
GOOG-3047MDL-02442044	GOOG-3047MDL-02442044
GOOG-3047MDL-03359281	GOOG-3047MDL-03359302
GOOG-3047MDL-04703742	GOOG-3047MDL-04703746
GOOG-3047MDL-01785937	GOOG-3047MDL-01785937
GOOG-3047MDL-00442481	GOOG-3047MDL-00442481
GOOG-3047MDL-05101508	GOOG-3047MDL-05101530
GOOG-3047MDL-01342809	GOOG-3047MDL-01342819
GOOG-3047MDL-03277297	GOOG-3047MDL-03277368
SNAP3074358	SNAP3074435
GOOG-3047MDL-01412811	GOOG-3047MDL-01412943
GOOG-3047MDL-01977358	GOOG-3047MDL-01977365
SNAP4767879	SNAP4767957
GOOG-3047MDL-00780619	GOOG-3047MDL-00780631
GOOG-3047MDL-00854334	GOOG-3047MDL-00854362
GOOG-3047MDL-01339056	GOOG-3047MDL-01339106
GOOG-3047MDL-01435767	GOOG-3047MDL-01435767
GOOG-3047MDL-05100478	GOOG-3047MDL-05100482
TIKTOK3047MDL-021-LARK-00014427	TIKTOK3047MDL-021-LARK-00014428
GOOG-3047MDL-04503606	GOOG-3047MDL-04503606
GOOG-3047MDL-02163259	GOOG-3047MDL-02163259
GOOG-3047MDL-03506846	GOOG-3047MDL-03506853
GOOG-3047MDL-00045137	GOOG-3047MDL-00045153
GOOG-3047MDL-00414697	GOOG-3047MDL-00414705
GOOG-3047MDL-00808421	GOOG-3047MDL-00808421

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-00012460	GOOG-3047MDL-00012462
GOOG-3047MDL-00408442	GOOG-3047MDL-00408442
GOOG-3047MDL-00411255	GOOG-3047MDL-00411255
GOOG-3047MDL-01922869	GOOG-3047MDL-01922879
TIKTOK3047MDL-058-LARK-00710555	TIKTOK3047MDL-058-LARK-00710564
GOOG-3047MDL-00009463	GOOG-3047MDL-00009472
GOOG-3047MDL-01433964	GOOG-3047MDL-01434072
GOOG-3047MDL-00402820	GOOG-3047MDL-00402820
GOOG-3047MDL-00403435	GOOG-3047MDL-00403435
GOOG-3047MDL-00807297	GOOG-3047MDL-00807297
SNAP3711959	SNAP3712129
GOOG-3047MDL-00865565	GOOG-3047MDL-00865565
GOOG-3047MDL-02436956	GOOG-3047MDL-02436969
GOOG-3047MDL-00213861	GOOG-3047MDL-00213870
GOOG-3047MDL-00647420	GOOG-3047MDL-00647420
GOOG-3047MDL-00665175	GOOG-3047MDL-00665175
SNAP3702950	SNAP3702953
GOOG-3047MDL-03504706	GOOG-3047MDL-03504711
SNAP2316618	SNAP2316620
TIKTOK3047MDL-044-00839323	TIKTOK3047MDL-044-00839326
TIKTOK3047MDL-072-LARK-01137552	TIKTOK3047MDL-072-LARK-01137556
SNAP2316627	SNAP2316665
GOOG-3047MDL-00394672	GOOG-3047MDL-00394681
GOOG-3047MDL-04310272	GOOG-3047MDL-04310278

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-047-01205048	META3047MDL-047-01205049
GOOG-3047MDL-00553311	GOOG-3047MDL-00553329
GOOG-3047MDL-05665186.ECM	GOOG-3047MDL-05665207.ECM
TIKTOK3047MDL-006-00326005	TIKTOK3047MDL-006-00326005
GOOG-3047MDL-05053396	GOOG-3047MDL-05053396
SNAP1281651	SNAP1281671
TIKTOK3047MDL-006-00325873	TIKTOK3047MDL-006-00325911
TIKTOK3047MDL-006-00327088	TIKTOK3047MDL-006-00327090
TIKTOK3047MDL-006-00327425	TIKTOK3047MDL-006-00327445
TIKTOK3047MDL-056-00952288	TIKTOK3047MDL-056-00952291
TIKTOK3047MDL-060-01155581	TIKTOK3047MDL-060-01155594
SNAP2987900	SNAP2987902
TIKTOK3047MDL-007-00327815	TIKTOK3047MDL-007-00327871
SNAP2076002	SNAP2076003
GOOG-3047MDL-03499498	GOOG-3047MDL-03499513
META3047MDL-039-00000058	META3047MDL-039-00000078
GOOG-3047MDL-00804080	GOOG-3047MDL-00804100
GOOG-3047MDL-04068497	GOOG-3047MDL-04068505
GOOG-3047MDL-03388306	GOOG-3047MDL-03388319
GOOG-3047MDL-00864164	GOOG-3047MDL-00864164
GOOG-3047MDL-01766902	GOOG-3047MDL-01766904
GOOG-3047MDL-02353923	GOOG-3047MDL-02353923
GOOG-3047MDL-02501314	GOOG-3047MDL-02501320
GOOG-3047MDL-00000048	GOOG-3047MDL-00000050
GOOG-3047MDL-00000053	GOOG-3047MDL-00000057
GOOG-3047MDL-00000058	GOOG-3047MDL-00000063

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-00000064	GOOG-3047MDL-00000067
GOOG-3047MDL-00000252	GOOG-3047MDL-00000254
GOOG-3047MDL-00000258	GOOG-3047MDL-00000261
GOOG-3047MDL-00000262	GOOG-3047MDL-00000264
SNAP2311510	SNAP2311519
GOOG-3047MDL-02435420	GOOG-3047MDL-02435420
GOOG-3047MDL-02435441	GOOG-3047MDL-02435441
GOOG-3047MDL-00551136	GOOG-3047MDL-00551136
GOOG-3047MDL-04973896	GOOG-3047MDL-04973896
SNAP3664412	SNAP3664415
GOOG-3047MDL-00117617	GOOG-3047MDL-00117617
GOOG-3047MDL-00803402	GOOG-3047MDL-00803402
GOOG-3047MDL-02313239	GOOG-3047MDL-02313239
META3047MDL-040-00056476	META3047MDL-040-00056529
GOOG-3047MDL-00646316	GOOG-3047MDL-00646316
GOOG-3047MDL-00275948	GOOG-3047MDL-00276387
TIKTOK3047MDL-004-00316891	TIKTOK3047MDL-004-00316891
SNAP2926182	SNAP2926192
SNAP2924607	SNAP2924607
GOOG-3047MDL-00898168	GOOG-3047MDL-00898168
SNAP0002558	SNAP0002566
TIKTOK3047MDL-004-00311638	TIKTOK3047MDL-004-00311702
TIKTOK3047MDL-002-00077367	TIKTOK3047MDL-002-00077427
SNAP3652736	SNAP3652813
SNAP5197673	SNAP5197749
TIKTOK3047MDL-067-LARK-00989338	TIKTOK3047MDL-067-LARK-00989
GOOG-3047MDL-01372609	GOOG-3047MDL-01372681
SNAP1251784	SNAP1251785

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-02499068	GOOG-3047MDL-02499078
SNAP4699129	SNAP4699130
GOOG-3047MDL-01453609	GOOG-3047MDL-01453613
GOOG-3047MDL-03906534	GOOG-3047MDL-03906609
GOOG-3047MDL-02144626	GOOG-3047MDL-02144690
TIKTOK3047MDL-021-LARK-00014689	TIKTOK3047MDL-021-LARK-00014692
SNAP2897372	SNAP2897376
SNAP4694745	SNAP4694775
SNAP2896831	SNAP2896834
GOOG-3047MDL-00802141	GOOG-3047MDL-00802148
GOOG-3047MDL-04191118	GOOG-3047MDL-04191125
GOOG-3047MDL-03492168	GOOG-3047MDL-03492367
SNAP3626065	SNAP3626067
GOOG-3047MDL-00801921	GOOG-3047MDL-00801925
GOOG-3047MDL-04728903	GOOG-3047MDL-04728905
SNAP2883624	SNAP2883647
SNAP2043503	SNAP2043504
META3047MDL-072-00704205	META3047MDL-072-00704207
SNAP2298677	SNAP2298691
TIKTOK3047MDL-004-00257578	TIKTOK3047MDL-004-00257579
META3047MDL-065-00240362	META3047MDL-065-00240383
META3047MDL-031-00131562	META3047MDL-031-00131572
SNAP0019456	SNAP0019464
SNAP0471925	SNAP0471933

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Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-00236723	GOOG-3047MDL-00236723
TIKTOK3047MDL-089-03736501	TIKTOK3047MDL-089-03736511
GOOG-3047MDL-04343712	GOOG-3047MDL-04343713
TIKTOK3047MDL-017-00361022	TIKTOK3047MDL-017-00361022
SNAP0019241	SNAP0019243
GOOG-3047MDL-03385518	GOOG-3047MDL-03385523
SNAP4679915	SNAP4679966
GOOG-3047MDL-01552207	GOOG-3047MDL-01552210
SNAP0019128	SNAP0019150
SNAP0019153	SNAP0019175
SNAP0019103	SNAP0019125
SNAP0019094	SNAP0019102
TIKTOK3047MDL-004-00141896	TIKTOK3047MDL-004-00141901
GOOG-3047MDL-00547397	GOOG-3047MDL-00547397
TIKTOK3047MDL-099-LARK-04519067	TIKTOK3047MDL-099-LARK-04519099
SNAP0464451	SNAP0464455
TIKTOK3047MDL-002-00100047	TIKTOK3047MDL-002-00100093
GOOG-3047MDL-04882611	GOOG-3047MDL-04882611
SNAP4281401	SNAP4281432
SNAP2014853	SNAP2014876
GOOG-3047MDL-04495322	GOOG-3047MDL-04495397
TIKTOK3047MDL-002-00091621	TIKTOK3047MDL-002-00091633
TIKTOK3047MDL-078-LARK-01368033	TIKTOK3047MDL-078-LARK-01368036
TIKTOK3047MDL-002-00099983	TIKTOK3047MDL-002-00099989
GOOG-3047MDL-01751480	GOOG-3047MDL-01751481
TIKTOK3047MDL-004-00151118	TIKTOK3047MDL-004-00151124
TIKTOK3047MDL-004-00225450	TIKTOK3047MDL-004-00225457

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-004-00308575	TIKTOK3047MDL-004-00308583
TIKTOK3047MDL-002-00101838	TIKTOK3047MDL-002-00101846
TIKTOK3047MDL-002-00101847	TIKTOK3047MDL-002-00101861
SNAP2857789	SNAP2857822
GOOG-3047MDL-04579493	GOOG-3047MDL-04579493
GOOG-3047MDL-01749873	GOOG-3047MDL-01749873
GOOG-3047MDL-01206344	GOOG-3047MDL-01206348
TIKTOK3047MDL-002-00083974	TIKTOK3047MDL-002-00083976
META3047MDL-163-00005993	META3047MDL-163-00006014
TIKTOK3047MDL-002-00120082	TIKTOK3047MDL-002-00120083
META3047MDL-050-00215087	META3047MDL-050-00215087
SNAP4798341	SNAP4798353
META3047MDL-047-00977914	META3047MDL-047-00977914
SNAP1284262	SNAP1284292
TIKTOK3047MDL-060-01120905	TIKTOK3047MDL-060-01120917
GOOG-3047MDL-02132875	GOOG-3047MDL-02132890
SNAP1944733	SNAP1944734
SNAP1942575	SNAP1942576
TIKTOK3047MDL-067-LARK-01022641	TIKTOK3047MDL-067-LARK-01022645
TIKTOK3047MDL-056-00987598	TIKTOK3047MDL-056-00987608
TIKTOK3047MDL-078-LARK-01708409	TIKTOK3047MDL-078-LARK-01708409
TIKTOK3047MDL-078-LARK-01708413	TIKTOK3047MDL-078-LARK-01708413
GOOG-3047MDL-00799590	GOOG-3047MDL-00799590
SNAP1219126	SNAP1219127
SNAP1937542	SNAP1937560
TIKTOK3047MDL-024-LARK-00063289	TIKTOK3047MDL-024-LARK-00063303

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-03080564	GOOG-3047MDL-03080699
SNAP4637142	SNAP4637167
TIKTOK3047MDL-002-00091456	TIKTOK3047MDL-002-00091459
SNAP2268186	SNAP2268198
SNAP0423280	SNAP0423284
SNAP3578884	SNAP3579040
SNAP4630879	SNAP4631035
GOOG-3047MDL-01963802	GOOG-3047MDL-01963804
GOOG-3047MDL-02653013	GOOG-3047MDL-02653018
GOOG-3047MDL-02858727	GOOG-3047MDL-02858757
GOOG-3047MDL-03343214	GOOG-3047MDL-03343250
SNAP1910063	SNAP1910065
TIKTOK3047MDL-002-00087370	TIKTOK3047MDL-002-00087381
TIKTOK3047MDL-002-00119426	TIKTOK3047MDL-002-00119442
GOOG-3047MDL-01289501	GOOG-3047MDL-01289502
SNAP4235758	SNAP4235767
TIKTOK3047MDL-002-00118748	TIKTOK3047MDL-002-00118784
SNAP0016526	SNAP0016572
GOOG-3047MDL-01371725	GOOG-3047MDL-01371752
GOOG-3047MDL-00798577	GOOG-3047MDL-00798583
GOOG-3047MDL-01288827	GOOG-3047MDL-01288832
META3047MDL-040-00197549	META3047MDL-040-00197549
TIKTOK3047MDL-036-LARK-00150084	TIKTOK3047MDL-036-LARK-00150088
META3047MDL-040-00200757	META3047MDL-040-00200757
TIKTOK3047MDL-023-00658004	TIKTOK3047MDL-023-00658005
SNAP5154720	SNAP5154769

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-02299400	GOOG-3047MDL-02299401
SNAP0716336	SNAP0716367
GOOG-3047MDL-01371645	GOOG-3047MDL-01371645
META3047MDL-034-00504412	META3047MDL-034-00504412
SNAP1234546	SNAP1234597
TIKTOK3047MDL-079-LARK-02066585	TIKTOK3047MDL-079-LARK-02066591
TIKTOK3047MDL-036-LARK-00173301	TIKTOK3047MDL-036-LARK-00173301
Haugen_00021372	Haugen_00021394
TIKTOK3047MDL-036-LARK-00106162	TIKTOK3047MDL-036-LARK-00106169
SNAP0404262	SNAP0404318
TIKTOK3047MDL-021-LARK-00009049	TIKTOK3047MDL-021-LARK-00009055
META3047MDL-014-00244582	META3047MDL-014-00244584
TIKTOK3047MDL-004-00149154	TIKTOK3047MDL-004-00149184
TIKTOK3047MDL-067-LARK-01026274	TIKTOK3047MDL-067-LARK-01026278
SNAP4227244	SNAP4227246
SNAP2247951	SNAP2247975
GOOG-3047MDL-01989488	GOOG-3047MDL-01989647
SNAP1200316	SNAP1200319
GOOG-3047MDL-00119545	GOOG-3047MDL-00119548
META3047MDL-040-00200269	META3047MDL-040-00200270
META3047MDL-111-00374934	META3047MDL-111-00374934
TIKTOK3047MDL-036-LARK-00164712	TIKTOK3047MDL-036-LARK-00164716
GOOG-3047MDL-02486605	GOOG-3047MDL-02486605
SNAP0399594	SNAP0399601
SNAP1869405	SNAP1869408
SNAP3554531	SNAP3554533
SNAP0396889	SNAP0396891

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-00085593	GOOG-3047MDL-00085595
SNAP0015311	SNAP0015313
SNAP0840796	SNAP0840805
SNAP6398196	SNAP6398202
TIKTOK3047MDL-010-00329585	TIKTOK3047MDL-010-00329606
TIKTOK3047MDL-002-00091748	TIKTOK3047MDL-002-00091760
TIKTOK3047MDL-002-00091761	TIKTOK3047MDL-002-00091776
GOOG-3047MDL-01735688	GOOG-3047MDL-01735692
SNAP1193165	SNAP1193165
GOOG-3047MDL-00797172	GOOG-3047MDL-00797273
GOOG-3047MDL-01929900	GOOG-3047MDL-01929900
SNAP1847822	SNAP1847832
GOOG-3047MDL-02352329	GOOG-3047MDL-02352329
TIKTOK3047MDL-002-00101525	TIKTOK3047MDL-002-00101541
TIKTOK3047MDL-067-LARK-01021636	TIKTOK3047MDL-067-LARK-01021639
SNAP4209960	SNAP4209970
GOOG-3047MDL-01280461	GOOG-3047MDL-01280461
SNAP3528080	SNAP3528084
GOOG-3047MDL-03706722	GOOG-3047MDL-03706722
GOOG-3047MDL-00542226	GOOG-3047MDL-00542242
META3047MDL-111-00369868	META3047MDL-111-00369868
META3047MDL-136-00013164	META3047MDL-136-00013216
SNAP1186681	SNAP1186684
META3047MDL-040-00199456	META3047MDL-040-00199460
SNAP4189090	SNAP4189191
META3047MDL-072-00376915	META3047MDL-072-00376965
TIKTOK3047MDL-021-LARK-00005593	TIKTOK3047MDL-021-LARK-00005598
TIKTOK3047MDL-021-LARK-00005437	TIKTOK3047MDL-021-LARK-00005441

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-078-LARK-01429319	TIKTOK3047MDL-078-LARK-01429343
SNAP0419215	SNAP0419217
TIKTOK3047MDL-002-00085753	TIKTOK3047MDL-002-00085791
TIKTOK3047MDL-001-00004654	TIKTOK3047MDL-001-00004669
GOOG-3047MDL-00233489	GOOG-3047MDL-00233503
GOOG-3047MDL-02426813	GOOG-3047MDL-02426813
META3047MDL-031-00115856	META3047MDL-031-00115904
SNAP1806711	SNAP1806724
TIKTOK3047MDL-002-00098058	TIKTOK3047MDL-002-00098071
GOOG-3047MDL-00816707	GOOG-3047MDL-00816707
GOOG-3047MDL-05040450	GOOG-3047MDL-05040450
SNAP2727159	SNAP2727172
SNAP4571055	SNAP4571059
GOOG-3047MDL-03303713	GOOG-3047MDL-03303713
GOOG-3047MDL-01275937	GOOG-3047MDL-01275967
SNAP6110229	SNAP6110233
SNAP2221629	SNAP2221664
TIKTOK3047MDL-036-LARK-00172521	TIKTOK3047MDL-036-LARK-00172527
SNAP1175793	SNAP1175822
META3047MDL-136-00013164	META3047MDL-136-00013216
GOOG-3047MDL-02115397	GOOG-3047MDL-02115411
GOOG-3047MDL-02856550	GOOG-3047MDL-02856552
TIKTOK3047MDL-055-LARK-00698648	TIKTOK3047MDL-055-LARK-00698651
SNAP1768432	SNAP1768433
SNAP0350175	SNAP0350179
SNAP1267538	SNAP1267538
GOOG-3047MDL-01903132	GOOG-3047MDL-01903133
SNAP2713404	SNAP2713405
TIKTOK3047MDL-079-LARK-02079422	TIKTOK3047MDL-079-LARK-02079429
TIKTOK3047MDL-002-00102517	TIKTOK3047MDL-002-00102549

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP0000652	SNAP0000653
SNAP0345159	SNAP0345181
TIKTOK3047MDL-079-LARK-02069378	TIKTOK3047MDL-079-LARK-02069384
GOOG-3047MDL-02287803	GOOG-3047MDL-02287806
META3047MDL-004-00003255	META3047MDL-004-00003264
GOOG-3047MDL-02113187	GOOG-3047MDL-02113187
GOOG-3047MDL-05659775.ECM	GOOG-3047MDL-05659782.ECM
GOOG-3047MDL-05039951	GOOG-3047MDL-05039951
SNAP2712883	SNAP2712888
TIKTOK3047MDL-067-LARK-01025176	TIKTOK3047MDL-067-LARK-01025181
TIKTOK3047MDL-004-00226207	TIKTOK3047MDL-004-00226209
GOOG-3047MDL-01719787	GOOG-3047MDL-01719787
SNAP1731042	SNAP1731076
TIKTOK3047MDL-021-LARK-00005510	TIKTOK3047MDL-021-LARK-00005516
SNAP0332716	SNAP0332720
TIKTOK3047MDL-001-00001985	TIKTOK3047MDL-001-00002019
TIKTOK3047MDL-039-LARK-00214455	TIKTOK3047MDL-039-LARK-00214455
GOOG-3047MDL-03705514	GOOG-3047MDL-03705514
SNAP4872383	SNAP4872411
GOOG-3047MDL-03928001	GOOG-3047MDL-03928001
SNAP1718147	SNAP1718156
META3047MDL-072-00318089	META3047MDL-072-00318089
SNAP0010984	SNAP0010986
SNAP1155821	SNAP1155824

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-010-00329274	TIKTOK3047MDL-010-00329289
TIKTOK3047MDL-010-00329290	TIKTOK3047MDL-010-00329318
SNAP0351938	SNAP0351942
SNAP1155580	SNAP1155584
TIKTOK3047MDL-002-00084410	TIKTOK3047MDL-002-00084415
META3047MDL-046-00239694	META3047MDL-046-00239694
SNAP1152337	SNAP1152337
SNAP0321529	SNAP0321535
SNAP1700500	SNAP1700554
SNAP4525411	SNAP4525430
SNAP4525431	SNAP4525450
GOOG-3047MDL-00794077	GOOG-3047MDL-00794077
META3047MDL-054-00000061	META3047MDL-054-00000070
SNAP0320113	SNAP0320116
GOOG-3047MDL-00874191	GOOG-3047MDL-00874191
TIKTOK3047MDL-039-LARK-00213033	TIKTOK3047MDL-039-LARK-00213037
TIKTOK3047MDL-022-00522549	TIKTOK3047MDL-022-00522549
TIKTOK3047MDL-045-LARK-00457587	TIKTOK3047MDL-045-LARK-00457591
META3047MDL-014-00366232	META3047MDL-014-00366239
META3047MDL-047-00922214	META3047MDL-047-00922218
TIKTOK3047MDL-019-00373603	TIKTOK3047MDL-019-00373603
SNAP0316064	SNAP0316066
TIKTOK3047MDL-045-LARK-00457972	TIKTOK3047MDL-045-LARK-00457974
TIKTOK3047MDL-042-LARK-00264028	TIKTOK3047MDL-042-LARK-00264028
META3047MDL-020-00236842	META3047MDL-020-00236847
TIKTOK3047MDL-004-00131967	TIKTOK3047MDL-004-00132066
META3047MDL-169-00000143	META3047MDL-169-00000264
TIKTOK3047MDL-002-00064418	TIKTOK3047MDL-002-00064428
GOOG-3047MDL-00793501	GOOG-3047MDL-00793501

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-01537774	GOOG-3047MDL-01537774
SNAP1151560	SNAP1151587
GOOG-3047MDL-05214601	GOOG-3047MDL-05214620
META3047MDL-047-01167629	META3047MDL-047-01167748
TIKTOK3047MDL-036-LARK-00111985	TIKTOK3047MDL-036-LARK-00111991
TIKTOK3047MDL-002-00113213	TIKTOK3047MDL-002-00113232
GOOG-3047MDL-01268284	GOOG-3047MDL-01268284
TIKTOK3047MDL-021-LARK-00014505	TIKTOK3047MDL-021-LARK-00014516
SNAP1669311	SNAP1669363
META3047MDL-019-00057847	META3047MDL-019-00057851
META3047MDL-020-00137195	META3047MDL-020-00137195
SNAP0455294	SNAP0455297
SNAP0308313	SNAP0308317
SNAP0010269	SNAP0010271
TIKTOK3047MDL-088-03734025	TIKTOK3047MDL-088-03734029
SNAP0307144	SNAP0307149
GOOG-3047MDL-02424452	GOOG-3047MDL-02424456
META3047MDL-037-00016218	META3047MDL-037-00016225
TIKTOK3047MDL-038-LARK-00192083	TIKTOK3047MDL-038-LARK-00192088
SNAP0347522	SNAP0347531
GOOG-3047MDL-01714567	GOOG-3047MDL-01714567
TIKTOK3047MDL-099-LARK-04796954	TIKTOK3047MDL-099-LARK-04796990
GOOG-3047MDL-00995151	GOOG-3047MDL-00995151
SNAP1638832	SNAP1638883
META3047MDL-020-00694412	META3047MDL-020-00694460
META3047MDL-014-00336267	META3047MDL-014-00336270
SNAP3374916	SNAP3374934
SNAP2654170	SNAP2654289
TIKTOK3047MDL-010-00329723	TIKTOK3047MDL-010-00329751

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-002-00073596	TIKTOK3047MDL-002-00073603
TIKTOK3047MDL-004-00131528	TIKTOK3047MDL-004-00131535
GOOG-3047MDL-00641947	GOOG-3047MDL-00641982
TIKTOK3047MDL-004-00310982	TIKTOK3047MDL-004-00310990
GOOG-3047MDL-03566682	GOOG-3047MDL-03566732
GOOG-3047MDL-01266470	GOOG-3047MDL-01266490
SNAP0009893	SNAP0009894
TIKTOK3047MDL-002-00101348	TIKTOK3047MDL-002-00101355
SNAP4512897	SNAP4512915
GOOG-3047MDL-00792514	GOOG-3047MDL-00792514
GOOG-3047MDL-05456797	GOOG-3047MDL-05456797
TIKTOK3047MDL-004-00145020	TIKTOK3047MDL-004-00145032
GOOG-3047MDL-04929304	GOOG-3047MDL-04929324
TIKTOK3047MDL-047-LARK-00510814	TIKTOK3047MDL-047-LARK-00510821
SNAP2192357	SNAP2192366
TIKTOK3047MDL-002-00091546	TIKTOK3047MDL-002-00091558
SNAP2631307	SNAP2631632
GOOG-3047MDL-00687451	GOOG-3047MDL-00687451
META3047MDL-020-00130679	META3047MDL-020-00130685
META3047MDL-019-00099920	META3047MDL-019-00099920
SNAP1117208	SNAP1117208
SNAP0009825	SNAP0009844
SNAP1601242	SNAP1601242
META3047MDL-037-00022598	META3047MDL-037-00022599

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-037-00028264	META3047MDL-037-00028270
SNAP3318166	SNAP3318183
SNAP3371390	SNAP3371404
SNAP3371421	SNAP3371431
SNAP6471191	SNAP6471199
TIKTOK3047MDL-036-LARK-00181240	TIKTOK3047MDL-036-LARK-00181240
TIKTOK3047MDL-002-00091521	TIKTOK3047MDL-002-00091545
GOOG-3047MDL-02468921	GOOG-3047MDL-02468921
META3047MDL-056-00003662	META3047MDL-056-00003669
TIKTOK3047MDL-002-00077590	TIKTOK3047MDL-002-00077590
TIKTOK3047MDL-004-00147779	TIKTOK3047MDL-004-00147789
TIKTOK3047MDL-054-LARK-00552309	TIKTOK3047MDL-054-LARK-00552326
META3047MDL-020-00651532	META3047MDL-020-00651533
META3047MDL-040-00049387	META3047MDL-040-00049387
SNAP4486211	SNAP4486215
TIKTOK3047MDL-029-LARK-00091675	TIKTOK3047MDL-029-LARK-00091679
GOOG-3047MDL-02746243	GOOG-3047MDL-02746251
GOOG-3047MDL-04926458	GOOG-3047MDL-04926461
SNAP1103775	SNAP1104028
TIKTOK3047MDL-004-00290064	TIKTOK3047MDL-004-00290065
SNAP0007545	SNAP0007560
GOOG-3047MDL-00170759	GOOG-3047MDL-00170759
TIKTOK3047MDL-004-00151098	TIKTOK3047MDL-004-00151110
GOOG-3047MDL-03704131	GOOG-3047MDL-03704131

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP1556755	SNAP1556758
GOOG-3047MDL-00654060	GOOG-3047MDL-00654060
TIKTOK3047MDL-001-00060313	TIKTOK3047MDL-001-00060323
TIKTOK3047MDL-002-00122131	TIKTOK3047MDL-002-00122143
TIKTOK3047MDL-004-00138686	TIKTOK3047MDL-004-00138690
META3047MDL-034-00152676	META3047MDL-034-00152679
SNAP0265413	SNAP0265413
META3047MDL-014-00355780	META3047MDL-014-00355782
META3047MDL-037-00032900	META3047MDL-037-00032937
TIKTOK3047MDL-111-LARK-05912863	TIKTOK3047MDL-111-LARK-05912868
SNAP6934061	SNAP6934064
TIKTOK3047MDL-068-LARK-01057252	TIKTOK3047MDL-068-LARK-01057259
TIKTOK3047MDL-117-04509578	TIKTOK3047MDL-117-04509603
META3047MDL-014-00074230	META3047MDL-014-00074247
SNAP3286213	SNAP3286215
META3047MDL-035-00002750	META3047MDL-035-00002750
SNAP3285645	SNAP3285645
TIKTOK3047MDL-039-LARK-00193617	TIKTOK3047MDL-039-LARK-00193621
META3047MDL-060-00000335	META3047MDL-060-00000335
TIKTOK3047MDL-024-LARK-00043038	TIKTOK3047MDL-024-LARK-00043054
TIKTOK3047MDL-002-00091634	TIKTOK3047MDL-002-00091647
META3047MDL-062-00000129	META3047MDL-062-00000135
TIKTOK3047MDL-001-00060308	TIKTOK3047MDL-001-00060312
META3047MDL-047-00647437	META3047MDL-047-00647444
GOOG-3047MDL-02097533	GOOG-3047MDL-02097538
SNAP4009751	SNAP4009756

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-004-00138026	TIKTOK3047MDL-004-00138047
META3047MDL-034-00152702	META3047MDL-034-00152702
TIKTOK3047MDL-054-LARK-00587949	TIKTOK3047MDL-054-LARK-00587949
TIKTOK3047MDL-004-00318166	TIKTOK3047MDL-004-00318181
TIKTOK3047MDL-099-LARK-04759856	TIKTOK3047MDL-099-LARK-04759882
SNAP0741744	SNAP0741751
TIKTOK3047MDL-001-00060515	TIKTOK3047MDL-001-00060529
META3047MDL-163-00007398	META3047MDL-163-00007499
SNAP2171829	SNAP2171882
SNAP0270760	SNAP0270778
META3047MDL-047-01028819	META3047MDL-047-01028842
TIKTOK3047MDL-038-LARK-00192063	TIKTOK3047MDL-038-LARK-00192067
TIKTOK3047MDL-004-00138339	TIKTOK3047MDL-004-00138345
GOOG-3047MDL-01262144	GOOG-3047MDL-01262144
META3047MDL-031-00133522	META3047MDL-031-00133588
SNAP0007264	SNAP0007299
SNAP2164487	SNAP2164495
SNAP1086844	SNAP1086851
TIKTOK3047MDL-060-01119793	TIKTOK3047MDL-060-01119795
TIKTOK3047MDL-002-00075240	TIKTOK3047MDL-002-00075242
TIKTOK3047MDL-002-00094384	TIKTOK3047MDL-002-00094430
SNAP0244386	SNAP0244434
SNAP3968448	SNAP3968726
SNAP2162262	SNAP2162268
SNAP3251459	SNAP3252025
SNAP2581635	SNAP2581636
SNAP2581637	SNAP2581638

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-05204517	GOOG-3047MDL-05204519
TIKTOK3047MDL-060-01124427	TIKTOK3047MDL-060-01124443
SNAP0015373	SNAP0015405
SNAP0728177	SNAP0728179
GOOG-3047MDL-05204037	GOOG-3047MDL-05204081
TIKTOK3047MDL-024-LARK-00042912	TIKTOK3047MDL-024-LARK-00042950
TIKTOK3047MDL-002-00101574	TIKTOK3047MDL-002-00101612
GOOG-3047MDL-00188446	GOOG-3047MDL-00188446
META3047MDL-040-00229264	META3047MDL-040-00229266
SNAP0241635	SNAP0241645
SNAP3242221	SNAP3242234
TIKTOK3047MDL-045-LARK-00447874	TIKTOK3047MDL-045-LARK-00447879
GOOG-3047MDL-04798264	GOOG-3047MDL-04798323
SNAP2568676	SNAP2568851
GOOG-3047MDL-02264827	GOOG-3047MDL-02264864
TIKTOK3047MDL-078-LARK-01711316	TIKTOK3047MDL-078-LARK-01711340
META3047MDL-111-00086015	META3047MDL-111-00086026
SNAP2565799	SNAP2565811
GOOG-3047MDL-01258481	GOOG-3047MDL-01258627
GOOG-3047MDL-04918852	GOOG-3047MDL-04918852
SNAP2561579	SNAP2562075
GOOG-3047MDL-02840254	GOOG-3047MDL-02840256
META3047MDL-148-00001309	META3047MDL-148-00001378
SNAP0746762	SNAP0746774
TIKTOK3047MDL-079-LARK-02008119	TIKTOK3047MDL-079-LARK-02008123
TIKTOK3047MDL-002-00102051	TIKTOK3047MDL-002-00102051
GOOG-3047MDL-01864482	GOOG-3047MDL-01864491
META3047MDL-148-00005208	META3047MDL-148-00005234
SNAP0736229	SNAP0736236
META3047MDL-019-00036342	META3047MDL-019-00036342

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-072-00319412	META3047MDL-072-00319412
GOOG-3047MDL-01696006	GOOG-3047MDL-01696007
META3047MDL-020-00592294	META3047MDL-020-00592303
GOOG-3047MDL-02631963	GOOG-3047MDL-02631966
TIKTOK3047MDL-004-00286929	TIKTOK3047MDL-004-00286935
SNAP4452586	SNAP4452595
SNAP0750644	SNAP0750646
META3047MDL-020-00278479	META3047MDL-020-00278479
META3047MDL-037-00030033	META3047MDL-037-00030070
GOOG-3047MDL-00000027	GOOG-3047MDL-00000039
META3047MDL-044-00022409	META3047MDL-044-00022436
META3047MDL-019-00036714	META3047MDL-019-00036714
TIKTOK3047MDL-045-LARK-00468321	TIKTOK3047MDL-045-LARK-00468335
META3047MDL-040-00545973	META3047MDL-040-00545973
SNAP0205584	SNAP0205586
SNAP0211828	SNAP0211832
TIKTOK3047MDL-043-00834241	TIKTOK3047MDL-043-00834241
TIKTOK3047MDL-005-00325851	TIKTOK3047MDL-005-00325872
TIKTOK3047MDL-024-LARK-00035705	TIKTOK3047MDL-024-LARK-00035710
META3047MDL-014-00401896	META3047MDL-014-00401907
META3047MDL-020-00005380	META3047MDL-020-00005388
GOOG-3047MDL-03604439	GOOG-3047MDL-03604443
META3047MDL-020-00216683	META3047MDL-020-00216690
META3047MDL-014-00247017	META3047MDL-014-00247019
TIKTOK3047MDL-021-LARK-00026469	TIKTOK3047MDL-021-LARK-00026477
TIKTOK3047MDL-004-00290146	TIKTOK3047MDL-004-00290159
SNAP3210317	SNAP3210318
GOOG-3047MDL-03604113	GOOG-3047MDL-03604116
SNAP0005726	SNAP0005731
SNAP0005694	SNAP0005711

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP3206770	SNAP3206779
GOOG-3047MDL-02089371	GOOG-3047MDL-02089373
TIKTOK3047MDL-072-LARK-01062915	TIKTOK3047MDL-072-LARK-01062918
SNAP0188573	SNAP0188591
GOOG-3047MDL-01195859	GOOG-3047MDL-01195863
SNAP1047045	SNAP1047165
GOOG-3047MDL-03861314	GOOG-3047MDL-03861333
META3047MDL-019-00078581	META3047MDL-019-00078597
SNAP1393050	SNAP1393052
SNAP0996673	SNAP0996673
META3047MDL-138-00000416	META3047MDL-138-00000455
SNAP0397014	SNAP0397025
SNAP0682877	SNAP0682888
META3047MDL-014-00206538	META3047MDL-014-00206544
META3047MDL-074-00051929	META3047MDL-074-00051951
SNAP0005508	SNAP0005511
META3047MDL-034-00037237	META3047MDL-034-00037283
META3047MDL-047-00603560	META3047MDL-047-00603565
SNAP6434698	SNAP6434707
GOOG-3047MDL-00671604	GOOG-3047MDL-00671635
META3047MDL-020-00342152	META3047MDL-020-00342153
META3047MDL-020-00588281	META3047MDL-020-00588290
TIKTOK3047MDL-004-00216708	TIKTOK3047MDL-004-00216714
META3047MDL-020-00588060	META3047MDL-020-00588077
SNAP2462286	SNAP2462294
SNAP0677724	SNAP0677743
META3047MDL-020-00342286	META3047MDL-020-00342373
META3047MDL-031-00114544	META3047MDL-031-00114544
SNAP2459988	SNAP2459993

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-01839246	GOOG-3047MDL-01839293
GOOG-3047MDL-02086033	GOOG-3047MDL-02086033
SNAP1000621	SNAP1000634
META3047MDL-053-00007873	META3047MDL-053-00007882
META3047MDL-053-00007843	META3047MDL-053-00007851
TIKTOK3047MDL-001-00000812	TIKTOK3047MDL-001-00000812
SNAP0007318	SNAP0007335
TIKTOK3047MDL-002-00103474	TIKTOK3047MDL-002-00103487
GOOG-3047MDL-00225068	GOOG-3047MDL-00225069
SNAP0506749	SNAP0506762
SNAP0525975	SNAP0525988
SNAP0818696	SNAP0818709
TIKTOK3047MDL-044-00859648	TIKTOK3047MDL-044-00859648
SNAP0525938	SNAP0525947
SNAP0777590	SNAP0777599
SNAP0831964	SNAP0831964
SNAP4416813	SNAP4416907
META3047MDL-020-00340672	META3047MDL-020-00340681
TIKTOK3047MDL-004-00291835	TIKTOK3047MDL-004-00291839
SNAP3182100	SNAP3182128
TIKTOK3047MDL-024-LARK-00026749	TIKTOK3047MDL-024-LARK-00026760
META3047MDL-003-00158816	META3047MDL-003-00158817
META3047MDL-003-00191207	META3047MDL-003-00191217
META3047MDL-163-00001583	META3047MDL-163-00001640
GOOG-3047MDL-02616134	GOOG-3047MDL-02616135
META3047MDL-019-00092508	META3047MDL-019-00092508
META3047MDL-020-00340104	META3047MDL-020-00340107
META3047MDL-014-00054063	META3047MDL-014-00054094
TIKTOK3047MDL-099-LARK-04504706	TIKTOK3047MDL-099-LARK-04504706
META3047MDL-020-00270857	META3047MDL-020-00270858

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-024-LARK-00026665	TIKTOK3047MDL-024-LARK-00026667
META3047MDL-014-00377295	META3047MDL-014-00377298
META3047MDL-163-00045441	META3047MDL-163-00045570
GOOG-3047MDL-04220318	GOOG-3047MDL-04220318
TIKTOK3047MDL-004-00144763	TIKTOK3047MDL-004-00144764
SNAP1068641	SNAP1068679
TIKTOK3047MDL-054-LARK-00559991	TIKTOK3047MDL-054-LARK-00560027
SNAP3173074	SNAP3173081
SNAP2425354	SNAP2425378
SNAP0945315	SNAP0945322
SNAP0119026	SNAP0119026
META3047MDL-014-00335618	META3047MDL-014-00335619
GOOG-3047MDL-03678102	GOOG-3047MDL-03678107
META3047MDL-020-00270223	META3047MDL-020-00270223
META3047MDL-050-00004448	META3047MDL-050-00004448
GOOG-3047MDL-00224480	GOOG-3047MDL-00224480
SNAP0943173	SNAP0943176
SNAP3172386	SNAP3172389
TIKTOK3047MDL-099-LARK-04558012	TIKTOK3047MDL-099-LARK-04558035
META3047MDL-019-00036538	META3047MDL-019-00036588
SNAP0224369	SNAP0224431
TIKTOK3047MDL-004-00323234	TIKTOK3047MDL-004-00323240
META3047MDL-014-00260869	META3047MDL-014-00260876
META3047MDL-040-00544758	META3047MDL-040-00544759
SNAP3168148	SNAP3168150
TIKTOK3047MDL-002-00100441	TIKTOK3047MDL-002-00100462
GOOG-3047MDL-05657463.ECM	GOOG-3047MDL-05657481.ECM

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Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-02712067	GOOG-3047MDL-02712071
SNAP3167874	SNAP3167940
GOOG-3047MDL-04819374	GOOG-3047MDL-04819374
TIKTOK3047MDL-004-00144753	TIKTOK3047MDL-004-00144755
SNAP2420547	SNAP2420549
META3047MDL-019-00097380	META3047MDL-019-00097389
GOOG-3047MDL-00224027	GOOG-3047MDL-00224027
META3047MDL-034-00078516	META3047MDL-034-00078521
SNAP4773692	SNAP4773696
SNAP0933703	SNAP0933735
SNAP5553072	SNAP5553073
TIKTOK3047MDL-001-00060255	TIKTOK3047MDL-001-00060287
META3047MDL-020-00575591	META3047MDL-020-00575599
SNAP2115818	SNAP2115831
SNAP3503805	SNAP3503821
TIKTOK3047MDL-002-00102328	TIKTOK3047MDL-002-00102328
GOOG-3047MDL-00632685	GOOG-3047MDL-00632689
SNAP3160903	SNAP3160913
SNAP0649519	SNAP0649523
GOOG-3047MDL-05193958	GOOG-3047MDL-05193959
GOOG-3047MDL-05284976	GOOG-3047MDL-05284976
META3047MDL-020-00711513	META3047MDL-020-00711524
TIKTOK3047MDL-004-00139811	TIKTOK3047MDL-004-00139824
GOOG-3047MDL-02036365	GOOG-3047MDL-02036376

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-04462537	GOOG-3047MDL-04462537
GOOG-3047MDL-04626757	GOOG-3047MDL-04626757
META3047MDL-047-00006815	META3047MDL-047-00006815
SNAP2407226	SNAP2407227
META3047MDL-040-00075210	META3047MDL-040-00075210
SNAP0927309	SNAP0927322
TIKTOK3047MDL-004-00321758	TIKTOK3047MDL-004-00322097
GOOG-3047MDL-04167772	GOOG-3047MDL-04167776
TIKTOK3047MDL-004-00285574	TIKTOK3047MDL-004-00285599
SNAP3811531	SNAP3811543
GOOG-3047MDL-01666532	GOOG-3047MDL-01666535
META3047MDL-040-00337135	META3047MDL-040-00337172
SNAP1185221	SNAP1185322
TIKTOK3047MDL-002-00099764	TIKTOK3047MDL-002-00099831
META3047MDL-053-00053202	META3047MDL-053-00053219
SNAP0652397	SNAP0652397
TIKTOK3047MDL-015-00331402	TIKTOK3047MDL-015-00331402
SNAP6423878	SNAP6423894
SNAP3808814	SNAP3808847
SNAP6423845	SNAP6423877
SNAP3156939	SNAP3156941
SNAP6108957	SNAP6108958
GOOG-3047MDL-00500385	GOOG-3047MDL-00500393
TIKTOK3047MDL-004-00290586	TIKTOK3047MDL-004-00290623
SNAP3155743	SNAP3155744
GOOG-3047MDL-01663615	GOOG-3047MDL-01663615
GOOG-3047MDL-02034241	GOOG-3047MDL-02034241
META3047MDL-019-00016249	META3047MDL-019-00016261
SNAP0649237	SNAP0649237

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-019-00064740	META3047MDL-019-00064782
TIKTOK3047MDL-004-00316716	TIKTOK3047MDL-004-00316726
SNAP2394847	SNAP2394848
TIKTOK3047MDL-044-00844575	TIKTOK3047MDL-044-00844577
TIKTOK3047MDL-079-LARK-02017133	TIKTOK3047MDL-079-LARK-02017138
SNAP0092646	SNAP0092650
SNAP0335300	SNAP0335311
TIKTOK3047MDL-004-00290821	TIKTOK3047MDL-004-00290897
TIKTOK3047MDL-022-00522755	TIKTOK3047MDL-022-00522755
SNAP0755817	SNAP0755826
GOOG-3047MDL-02602651	GOOG-3047MDL-02602670
GOOG-3047MDL-03001805	GOOG-3047MDL-03001807
GOOG-3047MDL-00246776	GOOG-3047MDL-00246776
SNAP2109600	SNAP2109616
SNAP0912095	SNAP0912098
SNAP0924794	SNAP0924810
SNAP0087818	SNAP0087820
SNAP3800391	SNAP3800392
TIKTOK3047MDL-004-00139825	TIKTOK3047MDL-004-00139827
TIKTOK3047MDL-004-00314472	TIKTOK3047MDL-004-00314532
SNAP2389358	SNAP2389386
META3047MDL-014-00166515	META3047MDL-014-00166517
SNAP0905847	SNAP0905854
GOOG-3047MDL-01247025	GOOG-3047MDL-01247025
GOOG-3047MDL-01654851	GOOG-3047MDL-01654859
META3047MDL-014-00360058	META3047MDL-014-00360058
SNAP0084814	SNAP0084814
META3047MDL-019-00049429	META3047MDL-019-00049461
META3047MDL-020-00260850	META3047MDL-020-00260855

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-014-00163784	META3047MDL-014-00163791
GOOG-3047MDL-01653710	GOOG-3047MDL-01653713
META3047MDL-014-00377058	META3047MDL-014-00377104
GOOG-3047MDL-04533875	GOOG-3047MDL-04533881
SNAP0668593	SNAP0668593
SNAP2385816	SNAP2385817
TIKTOK3047MDL-023-00630640	TIKTOK3047MDL-023-00630640
TIKTOK3047MDL-001-00000888	TIKTOK3047MDL-001-00000904
SNAP0737277	SNAP0737334
META3047MDL-004-00025094	META3047MDL-004-00025107
META3047MDL-014-00159841	META3047MDL-014-00159843
META3047MDL-014-00159841	META3047MDL-014-00159843
SNAP2382505	SNAP2382505
META3047MDL-014-00048060	META3047MDL-014-00048071
META3047MDL-004-00013865	META3047MDL-004-00013869
SNAP3793778	SNAP3793858
META3047MDL-014-00156024	META3047MDL-014-00156025
SNAP4388742	SNAP4388746
GOOG-3047MDL-03715502	GOOG-3047MDL-03715630
SNAP1330007	SNAP1330015
META3047MDL-019-00033465	META3047MDL-019-00033475
META3047MDL-020-00082810	META3047MDL-020-00082810
SNAP3791003	SNAP3791082
GOOG-3047MDL-02250801	GOOG-3047MDL-02250801
META3047MDL-014-00376297	META3047MDL-014-00376305
META3047MDL-014-00376309	META3047MDL-014-00376317
SNAP4837277	SNAP4837299
META3047MDL-014-00152942	META3047MDL-014-00152944
SNAP0896563	SNAP0896563
GOOG-3047MDL-04457555	GOOG-3047MDL-04457560

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-05190031	GOOG-3047MDL-05190040
META3047MDL-037-00058561	META3047MDL-037-00058573
GOOG-3047MDL-05275966	GOOG-3047MDL-05275973
GOOG-3047MDL-00159023	GOOG-3047MDL-00159023
META3047MDL-040-00399876	META3047MDL-040-00399876
GOOG-3047MDL-02794557.C	GOOG-3047MDL-02794566.C
META3047MDL-020-00256107	META3047MDL-020-00256114
SNAP4836937	SNAP4836940
SNAP1322227	SNAP1322242
SNAP1321683	SNAP1321686
GOOG-3047MDL-03305969	GOOG-3047MDL-03305969
META3047MDL-034-00354685	META3047MDL-034-00354694
SNAP0892766	SNAP0892766
SNAP0755683	SNAP0755688
META3047MDL-044-00108564	META3047MDL-044-00108582
SNAP0755697	SNAP0755698
SNAP3784179	SNAP3784183
GOOG-3047MDL-02028788	GOOG-3047MDL-02028788
META3047MDL-014-00298174	META3047MDL-014-00298228
GOOG-3047MDL-02722034	GOOG-3047MDL-02722039
GOOG-3047MDL-01643156	GOOG-3047MDL-01643164
META3047MDL-020-00563113	META3047MDL-020-00563179
GOOG-3047MDL-00488901	GOOG-3047MDL-00488908
META3047MDL-044-00091392	META3047MDL-044-00091392
SNAP3781717	SNAP3781718
META3047MDL-040-00332134	META3047MDL-040-00332136
SNAP0889433	SNAP0889435
SNAP2367515	SNAP2367527
GOOG-3047MDL-00197779	GOOG-3047MDL-00197779
GOOG-3047MDL-04456196	GOOG-3047MDL-04456198
GOOG-3047MDL-03000812	GOOG-3047MDL-03000812

Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-04456177	GOOG-3047MDL-04456180
GOOG-3047MDL-00197772	GOOG-3047MDL-00197775
GOOG-3047MDL-00080597	GOOG-3047MDL-00080601
GOOG-3047MDL-02027137	GOOG-3047MDL-02027142
SNAP6900119	SNAP6900129
SNAP7307710	SNAP7307721
SNAP0886473	SNAP0886479
GOOG-3047MDL-04455868	GOOG-3047MDL-04455869
GOOG-3047MDL-02787109	GOOG-3047MDL-02787111
GOOG-3047MDL-00197742	GOOG-3047MDL-00197742
GOOG-3047MDL-02204366	GOOG-3047MDL-02204369
META3047MDL-020-00253760	META3047MDL-020-00253818
SNAP0886013	SNAP0886015
GOOG-3047MDL-04455801	GOOG-3047MDL-04455801
GOOG-3047MDL-03856852	GOOG-3047MDL-03856852
SNAP6892932	SNAP6892940
SNAP0884986	SNAP0884987
GOOG-3047MDL-00197735	GOOG-3047MDL-00197737
GOOG-3047MDL-02026373	GOOG-3047MDL-02026374
GOOG-3047MDL-03856819	GOOG-3047MDL-03856820
META3047MDL-040-00583291	META3047MDL-040-00583292
META3047MDL-059-00000325	META3047MDL-059-00000335
META3047MDL-005-00000333	META3047MDL-005-00000357
SNAP0541886	SNAP0541886
META3047MDL-014-00071620	META3047MDL-014-00071623
SNAP5486213	SNAP5486215
SNAP4378245	SNAP4378249
SNAP3133152	SNAP3133153
META3047MDL-014-00133717	META3047MDL-014-00133734
SNAP2102892	SNAP2102903
META3047MDL-035-00004529	META3047MDL-035-00004598
META3047MDL-044-00026817	META3047MDL-044-00026905
SNAP0878303	SNAP0878310
SNAP0040771	SNAP0040778

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Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP3129690	SNAP3129699
META3047MDL-005-00000001	META3047MDL-005-00000013
META3047MDL-047-01199274	META3047MDL-047-01199275
SNAP3129214	SNAP3129218
GOOG-3047MDL-03765037	GOOG-3047MDL-03765043
META3047MDL-022-00006927	META3047MDL-022-00006927
SNAP3126959	SNAP3126962
SNAP3126923	SNAP3126935
GOOG-3047MDL-02022090	GOOG-3047MDL-02022093
SNAP6118652	SNAP6118662
SNAP0640337	SNAP0640342
SNAP0666370	SNAP0666375
META3047MDL-019-00059356	META3047MDL-019-00059356
META3047MDL-019-00059532	META3047MDL-019-00059532
META3047MDL-037-00068917	META3047MDL-037-00068917
SNAP2348639	SNAP2348640
META3047MDL-044-00171345	META3047MDL-044-00171371
SNAP3760712	SNAP3760713
SNAP2346697	SNAP2346698
GOOG-3047MDL-00080516	GOOG-3047MDL-00080518
SNAP0757877	SNAP0757879
SNAP6411772	SNAP6411826
SNAP2345620	SNAP2345622
GOOG-3047MDL-01241038	GOOG-3047MDL-01241039
META3047MDL-004-00000315	META3047MDL-004-00000317
GOOG-3047MDL-00767071	GOOG-3047MDL-00767071
SNAP1298915	SNAP1298996
META3047MDL-031-00096208	META3047MDL-031-00096217
SNAP0857671	SNAP0857671
GOOG-3047MDL-00122963	GOOG-3047MDL-00122963

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP6110159	SNAP6110160
GOOG-3047MDL-01608261	GOOG-3047MDL-01608261
SNAP4358317	SNAP4358324
META3047MDL-014-00026293	META3047MDL-014-00026296
SNAP3744792	SNAP3744794
SNAP0024870	SNAP0024870
META3047MDL-020-00476530	META3047MDL-020-00476530
META3047MDL-040-00449305	META3047MDL-040-00449316
SNAP3742780	SNAP3742782
META3047MDL-014-00092206	META3047MDL-014-00092207
GOOG-3047MDL-02009802	GOOG-3047MDL-02009802
SNAP4354972	SNAP4354978
SNAP0850987	SNAP0850992
META3047MDL-044-00100788	META3047MDL-044-00100789
GOOG-3047MDL-03714938	GOOG-3047MDL-03714938
GOOG-3047MDL-05025310	GOOG-3047MDL-05025314
SNAP3739123	SNAP3739123
GOOG-3047MDL-05263731	GOOG-3047MDL-05263731
GOOG-3047MDL-00579554	GOOG-3047MDL-00579554
META3047MDL-072-01105909	META3047MDL-072-01105913
META3047MDL-072-01105914	META3047MDL-072-01105922
META3047MDL-034-00385869	META3047MDL-034-00385870
META3047MDL-065-00311801	META3047MDL-065-00311801
SNAP0850116	SNAP0850117
GOOG-3047MDL-01604798	GOOG-3047MDL-01604798
META3047MDL-091-00077741	META3047MDL-091-00077812
GOOG-3047MDL-03929013	GOOG-3047MDL-03929014
GOOG-3047MDL-02001804	GOOG-3047MDL-02001811
GOOG-3047MDL-01603982	GOOG-3047MDL-01603982
META3047MDL-047-00094089	META3047MDL-047-00094119
GOOG-3047MDL-04441419	GOOG-3047MDL-04441423

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-072-01394520	META3047MDL-072-01394627
SNAP3118038	SNAP3118073
TIKTOK3047MDL-024-LARK-00043256	TIKTOK3047MDL-024-LARK-00043256
GOOG-3047MDL-00000922	GOOG-3047MDL-00000931
GOOG-3047MDL-00666027	GOOG-3047MDL-00666027
GOOG-3047MDL-00937887	GOOG-3047MDL-00937984
GOOG-3047MDL-00952609	GOOG-3047MDL-00952610
GOOG-3047MDL-00990013	GOOG-3047MDL-00990015
GOOG-3047MDL-01078823	GOOG-3047MDL-01078827
GOOG-3047MDL-01373290	GOOG-3047MDL-01373290
GOOG-3047MDL-01653327	GOOG-3047MDL-01653335
GOOG-3047MDL-01707652	GOOG-3047MDL-01707657
GOOG-3047MDL-01725085	GOOG-3047MDL-01725091
GOOG-3047MDL-01738317	GOOG-3047MDL-01738318
GOOG-3047MDL-01741439	GOOG-3047MDL-01741444
GOOG-3047MDL-01786683	GOOG-3047MDL-01786696
GOOG-3047MDL-02024105	GOOG-3047MDL-02024106
GOOG-3047MDL-02025298	GOOG-3047MDL-02025298
GOOG-3047MDL-02031811	GOOG-3047MDL-02031811
GOOG-3047MDL-02036500	GOOG-3047MDL-02036511
GOOG-3047MDL-02603564	GOOG-3047MDL-02603564
GOOG-3047MDL-02820161	GOOG-3047MDL-02820161
GOOG-3047MDL-02850443	GOOG-3047MDL-02850443
GOOG-3047MDL-02946487	GOOG-3047MDL-02946501
GOOG-3047MDL-03547420	GOOG-3047MDL-03547420
GOOG-3047MDL-04461233	GOOG-3047MDL-04461318
GOOG-3047MDL-04601837	GOOG-3047MDL-04601868
GOOG-3047MDL-04618585	GOOG-3047MDL-04618585
GOOG-3047MDL-04625648	GOOG-3047MDL-04625648
GOOG-3047MDL-04683418	GOOG-3047MDL-04683418

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Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-04683749	GOOG-3047MDL-04683749
GOOG-3047MDL-04922012	GOOG-3047MDL-04922012
GOOG-3047MDL-05096751	GOOG-3047MDL-05096772
GOOG-3047MDL-05712453	GOOG-3047MDL-05712520
GOOG-MDL3047-00085593	GOOG-MDL3047-00085595
GOOG-MDL3047-02299400	GOOG-MDL3047-02299401
META3047MDL-014-00046464	META3047MDL-014-00046476
META3047MDL-020-00126630	META3047MDL-020-00126634
META3047MDL-020-00208020	META3047MDL-020-00208020
META3047MDL-020-00208021	META3047MDL-020-00208026
META3047MDL-020-00208027	META3047MDL-020-00208027
META3047MDL-020-00340122	META3047MDL-020-00340248
META3047MDL-046-00113377	META3047MDL-046-00113377
META3047MDL-046-00113378	META3047MDL-046-00113378
META3047MDL-073-00000019	META3047MDL-073-00000056
SNAP0029949	SNAP0029960
SNAP0173071	SNAP0173072
SNAP0173430	SNAP0173446
SNAP0255654	SNAP0255654
SNAP0373208	SNAP0373220
SNAP0467577	SNAP0467580
SNAP0640776	SNAP0640777
SNAP0646353	SNAP0646359
SNAP0745587	SNAP0745588
SNAP0840009	SNAP0840025
SNAP0903271	SNAP0903289
SNAP1098525	SNAP1098532
SNAP1213658	SNAP1213671
SNAP1242891	SNAP1242893
SNAP1303811	SNAP1303823
SNAP1415121	SNAP1415142
SNAP1957460	SNAP1957465

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP2324154	SNAP2324155
SNAP2346647	SNAP2346648
SNAP2346701	SNAP2346702
SNAP2372970	SNAP2372974
SNAP2377455	SNAP2377460
SNAP2894057	SNAP2894064
SNAP3121196	SNAP3121225
SNAP3129584	SNAP3129628
SNAP3151495	SNAP3151503
SNAP3386748	SNAP3386757
SNAP3808780	SNAP3808813
SNAP3931041	SNAP3931043
SNAP4301491	SNAP4301537
SNAP4383753	SNAP4383754
SNAP4389271	SNAP4389271
SNAP4527267	SNAP4527271
SNAP4838936	SNAP4838936
SNAP5125871	SNAP5125911
SNAP5145629	SNAP5145668
SNAP5182516	SNAP5182536
SNAP5193118	SNAP5193139
SNAP5251965	SNAP5252015
SNAP5269822	SNAP5269866
SNAP5326775	SNAP5326795
SNAP5405366	SNAP5405391
SNAP5447598	SNAP5447616
SNAP5473633	SNAP5473653
SNAP5562636	SNAP5562655
SNAP5950611	SNAP5950611
SNAP5950612	SNAP5950612
SNAP5950613	SNAP5950613
SNAP5950614	SNAP5950614
SNAP6119957	SNAP6119966

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Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP6120291	SNAP6120303
SNAP6157644	SNAP6157649
SNAP6163825	SNAP6163858
SNAP6163859	SNAP6163939
SNAP6182524	SNAP6182535
SNAP6340758	SNAP6340790
SNAP6424511	SNAP6424514
SNAP6550958	SNAP6550999
SNAP6759344	SNAP6759347
SNAP6759364	SNAP6759367
SNAP6759368	SNAP6759370
SNAP6759371	SNAP6759373
SNAP6906160	SNAP6906161
SNAP6916189	SNAP6916193
SNAP7140931	SNAP7140932
SNAP7141013	SNAP7141016
SNAP7341442	SNAP7341450
TIKTOK3047MDL-001-00003427	TIKTOK3047MDL-001-00003461
TIKTOK3047MDL-001-00005690	TIKTOK3047MDL-001-00005697
TIKTOK3047MDL-001-00060349	TIKTOK3047MDL-001-00060362
TIKTOK3047MDL-002-00077113	TIKTOK3047MDL-002-00077140
TIKTOK3047MDL-002-00091657	TIKTOK3047MDL-002-00091667
TIKTOK3047MDL-002-00091798	TIKTOK3047MDL-002-00091805
TIKTOK3047MDL-002-00091857	TIKTOK3047MDL-002-00091865
TIKTOK3047MDL-002-00098195	TIKTOK3047MDL-002-00098227
TIKTOK3047MDL-002-00099913	TIKTOK3047MDL-002-00099924
TIKTOK3047MDL-002-00100415	TIKTOK3047MDL-002-00100425
TIKTOK3047MDL-002-00120866	TIKTOK3047MDL-002-00120899
TIKTOK3047MDL-004-00137151	TIKTOK3047MDL-004-00137163

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-004-00138978	TIKTOK3047MDL-004-00138978
TIKTOK3047MDL-004-00138994	TIKTOK3047MDL-004-00139009
TIKTOK3047MDL-004-00141926	TIKTOK3047MDL-004-00141931
TIKTOK3047MDL-004-00144498	TIKTOK3047MDL-004-00144530
TIKTOK3047MDL-004-00147649	TIKTOK3047MDL-004-00147661
TIKTOK3047MDL-004-00148774	TIKTOK3047MDL-004-00148838
TIKTOK3047MDL-004-00150774	TIKTOK3047MDL-004-00150775
TIKTOK3047MDL-004-00182071	TIKTOK3047MDL-004-00182075
TIKTOK3047MDL-004-00217059	TIKTOK3047MDL-004-00217082
TIKTOK3047MDL-004-00226215	TIKTOK3047MDL-004-00226215
TIKTOK3047MDL-004-00286777	TIKTOK3047MDL-004-00286780
TIKTOK3047MDL-004-00291668	TIKTOK3047MDL-004-00291703
TIKTOK3047MDL-004-00292376	TIKTOK3047MDL-004-00292384
TIKTOK3047MDL-004-00292408	TIKTOK3047MDL-004-00292419
TIKTOK3047MDL-004-00306861	TIKTOK3047MDL-004-00306886
TIKTOK3047MDL-004-00312958	TIKTOK3047MDL-004-00313005
TIKTOK3047MDL-004-00318099	TIKTOK3047MDL-004-00318136
TIKTOK3047MDL-004-00318462	TIKTOK3047MDL-004-00318467
TIKTOK3047MDL-004-00318974	TIKTOK3047MDL-004-00318974
TIKTOK3047MDL-004-00319782	TIKTOK3047MDL-004-00319800
TIKTOK3047MDL-004-00323281	TIKTOK3047MDL-004-00323281
TIKTOK3047MDL-004-00324091	TIKTOK3047MDL-004-00324107
TIKTOK3047MDL-006-00326007	TIKTOK3047MDL-006-00326007
TIKTOK3047MDL-010-00330011	TIKTOK3047MDL-010-00330021
TIKTOK3047MDL-016-00351152	TIKTOK3047MDL-016-00351152
TIKTOK3047MDL-016-00355207	TIKTOK3047MDL-016-00355214
TIKTOK3047MDL-018-00372373	TIKTOK3047MDL-018-00372374
TIKTOK3047MDL-020-00376995	TIKTOK3047MDL-020-00377022
TIKTOK3047MDL-020-00433713	TIKTOK3047MDL-020-00433713
TIKTOK3047MDL-021-LARK-00012902	TIKTOK3047MDL-021-LARK-00012907
TIKTOK3047MDL-021-LARK-00013349	TIKTOK3047MDL-021-LARK-00013356

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-021-LARK-00021837	TIKTOK3047MDL-021-LARK-00021852
TIKTOK3047MDL-024-LARK-00026653	TIKTOK3047MDL-024-LARK-00026653
TIKTOK3047MDL-024-LARK-00042686	TIKTOK3047MDL-024-LARK-00042694
TIKTOK3047MDL-024-LARK-00043068	TIKTOK3047MDL-024-LARK-00043075
TIKTOK3047MDL-024-LARK-00043517	TIKTOK3047MDL-024-LARK-00043518
TIKTOK3047MDL-024-LARK-00058762	TIKTOK3047MDL-024-LARK-00058762
TIKTOK3047MDL-024-LARK-00063580	TIKTOK3047MDL-024-LARK-00063603
TIKTOK3047MDL-029-LARK-00072840	TIKTOK3047MDL-029-LARK-00072849
TIKTOK3047MDL-029-LARK-00079871	TIKTOK3047MDL-029-LARK-00079877
TIKTOK3047MDL-042-LARK-00264958	TIKTOK3047MDL-042-LARK-00264965
TIKTOK3047MDL-042-LARK-00273631	TIKTOK3047MDL-042-LARK-00273651
TIKTOK3047MDL-042-LARK-00283496	TIKTOK3047MDL-042-LARK-00283503
TIKTOK3047MDL-043-00836286	TIKTOK3047MDL-043-00836302
TIKTOK3047MDL-045-LARK-00447779	TIKTOK3047MDL-045-LARK-00447785
TIKTOK3047MDL-046-LARK-00497235	TIKTOK3047MDL-046-LARK-00497242
TIKTOK3047MDL-054-LARK-00590474	TIKTOK3047MDL-054-LARK-00590524
TIKTOK3047MDL-056-00967926	TIKTOK3047MDL-056-00971600
TIKTOK3047MDL-060-01094383	TIKTOK3047MDL-060-01094384
TIKTOK3047MDL-060-01142302	TIKTOK3047MDL-060-01142312
TIKTOK3047MDL-060-01169876	TIKTOK3047MDL-060-01169896
TIKTOK3047MDL-065-LARK-00746787	TIKTOK3047MDL-065-LARK-00746791
TIKTOK3047MDL-065-LARK-00841247	TIKTOK3047MDL-065-LARK-00841253
TIKTOK3047MDL-065-LARK-00868751	TIKTOK3047MDL-065-LARK-00868752
TIKTOK3047MDL-068-LARK-01057872	TIKTOK3047MDL-068-LARK-01057889
TIKTOK3047MDL-072-LARK-01123543	TIKTOK3047MDL-072-LARK-01123553
TIKTOK3047MDL-078-LARK-01910040	TIKTOK3047MDL-078-LARK-01910048
TIKTOK3047MDL-079-LARK-02019915	TIKTOK3047MDL-079-LARK-02019924
TIKTOK3047MDL-080-LARK-02725150	TIKTOK3047MDL-080-LARK-02725155
TIKTOK3047MDL-080-LARK-02727108	TIKTOK3047MDL-080-LARK-02727124
TIKTOK3047MDL-083-LARK-02926886	TIKTOK3047MDL-083-LARK-02926924
TIKTOK3047MDL-084-LARK-02984005	TIKTOK3047MDL-084-LARK-02984021
TIKTOK3047MDL-084-LARK-03141332	TIKTOK3047MDL-084-LARK-03141335
TIKTOK3047MDL-084-LARK-03172633	TIKTOK3047MDL-084-LARK-03172633
TIKTOK3047MDL-085-03563362	TIKTOK3047MDL-085-03563362
TIKTOK3047MDL-090-LARK-03540110	TIKTOK3047MDL-090-LARK-03540118
TIKTOK3047MDL-090-LARK-03854022	TIKTOK3047MDL-090-LARK-03854038

Ex. B: Materials Considered List

Bates Beg	Bates End
TIKTOK3047MDL-092-03750324	TIKTOK3047MDL-092-03750326
TIKTOK3047MDL-092-03751620	TIKTOK3047MDL-092-03751620
TIKTOK3047MDL-094-LARK-03983009	TIKTOK3047MDL-094-LARK-03983022
TIKTOK3047MDL-098-04033091	TIKTOK3047MDL-098-04033091
TIKTOK3047MDL-098-04034122	TIKTOK3047MDL-098-04034122
TIKTOK3047MDL-098-04040161	TIKTOK3047MDL-098-04040161
TIKTOK3047MDL-098-04041918	TIKTOK3047MDL-098-04041918
TIKTOK3047MDL-098-04043388	TIKTOK3047MDL-098-04043388
TIKTOK3047MDL-098-04045107	TIKTOK3047MDL-098-04045107
TIKTOK3047MDL-098-04045373	TIKTOK3047MDL-098-04045373
TIKTOK3047MDL-099-LARK-04804937	TIKTOK3047MDL-099-LARK-04804944
TIKTOK3047MDL-099-LARK-04930201	TIKTOK3047MDL-099-LARK-04930213
TIKTOK3047MDL-101-LARK-05146491	TIKTOK3047MDL-101-LARK-05146509
TIKTOK3047MDL-101-LARK-05223785	TIKTOK3047MDL-101-LARK-05223797
TIKTOK3047MDL-111-LARK-06042154	TIKTOK3047MDL-111-LARK-06042195
TIKTOK3047MDL-118-LARK-06076591	TIKTOK3047MDL-118-LARK-06076606
TIKTOK3047MDL-120-LARK-06208410	TIKTOK3047MDL-120-LARK-06208422
TIKTOK3047MDL-128-LARK-06767525	TIKTOK3047MDL-128-LARK-06767535
TIKTOK3047MDL-150-LARK-07285061	TIKTOK3047MDL-150-LARK-07285069
TIKTOK3047MDL-151-LARK-07303693	TIKTOK3047MDL-151-LARK-07303702
TIKTOK3047MDL-153-LARK-07413298	TIKTOK3047MDL-153-LARK-07413313
TIKTOK3047MDL-160-LARK-07431197	TIKTOK3047MDL-160-LARK-07431202
TIKTOK3047MDL-163-04668748	TIKTOK3047MDL-163-04668787
TIKTOK3047MDL-168-04772591	TIKTOK3047MDL-168-04772595
TIKTOK3047MDL-169-LARK-07457744	TIKTOK3047MDL-169-LARK-07457781
TIKTOK3047MDL-186-LARK-08176023	TIKTOK3047MDL-186-LARK-08176250
TIKTOK3047MDL-207-LARK-08711479	TIKTOK3047MDL-207-LARK-08711479
META3047MDL-014-00358776	META3047MDL-014-00358795

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-019-00127958	META3047MDL-019-00127958
META3047MDL-047-00573740	META3047MDL-047-00573817
META3047MDL-040-00102898	META3047MDL-040-00103051
GOOG-3047MDL-04848897	GOOG-3047MDL-04848897
GOOG-3047MDL-00157413	GOOG-3047MDL-00157413
GOOG-3047MDL-00187874	GOOG-3047MDL-00187874
TIKTOK3047MDL-036-LARK-00107642	TIKTOK3047MDL-036-LARK-00107649
TIKTOK3047MDL-006-00326148	TIKTOK3047MDL-006-00326195
SNAP3803049	SNAP3803095
SNAP0221370	SNAP0221377
META3047MDL-003-00094811	META3047MDL-003-00094837
TIKTOK3047MDL-018-00361108	TIKTOK3047MDL-018-00361109
SNAP1924968	SNAP1925025
META3047MDL-072-00304285	META3047MDL-072-00304305
GOOG-3047MDL-01625570	GOOG-3047MDL-01625574
META3047MDL-003-00145472	META3047MDL-003-00145474
META3047MDL-003-00171401	META3047MDL-003-00171407
META3047MDL-004-00027423	META3047MDL-004-00027445
META3047MDL-014-00046411	META3047MDL-014-00046423
META3047MDL-014-00378084	META3047MDL-014-00378085
META3047MDL-014-00378779	META3047MDL-014-00378781
META3047MDL-019-00099847	META3047MDL-019-00099847
META3047MDL-020-00349969	META3047MDL-020-00350077
META3047MDL-020-00609932	META3047MDL-020-00609944
META3047MDL-031-00086272	META3047MDL-031-00086290
META3047MDL-040-00317980	META3047MDL-040-00317990
META3047MDL-046-00477173	META3047MDL-046-00477177
META3047MDL-046-00495408	META3047MDL-046-00495409
META3047MDL-050-00331333	META3047MDL-050-00331334
SNAP0006256	SNAP0006260

Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP0008117	SNAP0008123
SNAP1197331	SNAP1197331
SNAP2294924	SNAP2294926
SNAP2367438	SNAP2367441
SNAP2367515	SNAP2367527
SNAP4783191	SNAP4783201
SNAP4833189	SNAP4833190
SNAP6399042	SNAP6399043
SNAP7140925	SNAP7140925
TIKTOK3047MDL-001-00060986	TIKTOK3047MDL-001-00061259
TIKTOK3047MDL-004-00151111	TIKTOK3047MDL-004-00151117
TIKTOK3047MDL-062-01192752	TIKTOK3047MDL-062-01192754
TIKTOK3047MDL-112-04262174	TIKTOK3047MDL-112-04262177
TIKTOK3047MDL-115-04366552	TIKTOK3047MDL-115-04366564
GOOG-3047MDL-01287601	GOOG-3047MDL-01287601
GOOG-3047MDL-01776693	GOOG-3047MDL-01776693
GOOG-3047MDL-02570565	GOOG-3047MDL-02570565
GOOG-3047MDL-03304579	GOOG-3047MDL-03304581
GOOG-3047MDL-04613300	GOOG-3047MDL-04613301
GOOG-3047MDL-05710514	GOOG-3047MDL-05710705
SNAP5499098	SNAP5499127
TIKTOK3047MDL-014-00330672	TIKTOK3047MDL-014-00330683
TIKTOK3047MDL-029-LARK-00069953	TIKTOK3047MDL-029-LARK-00069959
TIKTOK3047MDL-042-LARK-00283114	TIKTOK3047MDL-042-LARK-00283142
TIKTOK3047MDL-080-LARK-02552741	TIKTOK3047MDL-080-LARK-02552748
TIKTOK3047MDL-090-LARK-03471333	TIKTOK3047MDL-090-LARK-03471337
TIKTOK3047MDL-099-LARK-04757966	TIKTOK3047MDL-099-LARK-04757966
TIKTOK3047MDL-111-LARK-05945102	TIKTOK3047MDL-111-LARK-05945107
TIKTOK3047MDL-112-04262174	TIKTOK3047MDL-112-04262177
TIKTOK3047MDL-199-LARK-08546223	TIKTOK3047MDL-199-LARK-08546238
META3047MDL-003-00010950	META3047MDL-003-00010955

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00022823	META3047MDL-003-00022831
META3047MDL-003-00028181	META3047MDL-003-00028184
META3047MDL-003-00028226	META3047MDL-003-00028226
META3047MDL-003-00028233	META3047MDL-003-00028241
META3047MDL-003-00028296	META3047MDL-003-00028297
META3047MDL-003-00051765	META3047MDL-003-00051766
META3047MDL-003-00068041	META3047MDL-003-00068043
META3047MDL-003-00069904	META3047MDL-003-00069913
META3047MDL-003-00119871	META3047MDL-003-00119872
META3047MDL-003-00120590	META3047MDL-003-00120617
META3047MDL-003-00134688	META3047MDL-003-00134726
META3047MDL-003-00136741	META3047MDL-003-00136744
META3047MDL-003-00137856	META3047MDL-003-00137858
META3047MDL-003-00138057	META3047MDL-003-00138057
META3047MDL-003-00172969	META3047MDL-003-00172970
META3047MDL-003-00181914	META3047MDL-003-00181940
META3047MDL-003-00182185	META3047MDL-003-00182199
META3047MDL-004-00000315	META3047MDL-004-00000317
META3047MDL-014-00017094	META3047MDL-014-00017107
META3047MDL-014-00123522	META3047MDL-014-00123528
META3047MDL-014-00124729	META3047MDL-014-00124730
META3047MDL-014-00206538	META3047MDL-014-00206544
META3047MDL-014-00283405	META3047MDL-014-00283406
META3047MDL-014-00378425	META3047MDL-014-00378427
META3047MDL-014-00381556	META3047MDL-014-00381557
META3047MDL-019-00059356	META3047MDL-019-00059356
META3047MDL-019-00059532	META3047MDL-019-00059532
META3047MDL-019-00059533	META3047MDL-019-00059533
META3047MDL-020-00000222	META3047MDL-020-00000223

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-020-00342152	META3047MDL-020-00342153
META3047MDL-020-00476530	META3047MDL-020-00476530
META3047MDL-034-00480382	META3047MDL-034-00480391
META3047MDL-040-00317525	META3047MDL-040-00317527
META3047MDL-040-00448558	META3047MDL-040-00448567
META3047MDL-040-00584298	META3047MDL-040-00584303
META3047MDL-040-00586960	META3047MDL-040-00587166
META3047MDL-040-00590304	META3047MDL-040-00590310
META3047MDL-040-00600566	META3047MDL-040-00600570
META3047MDL-047-00603560	META3047MDL-047-00603565
META3047MDL-072-01067292	META3047MDL-072-01067292
META3047MDL-072-01495584	META3047MDL-072-01495588
META3047MDL-113-00004535	META3047MDL-113-00004535
META3047MDL-208-00060751	META3047MDL-208-00060756
SNAP0006256	SNAP0006260
SNAP0009893	SNAP0009894
SNAP0010984	SNAP0010986
SNAP0014279	SNAP0014380
SNAP0019094	SNAP0019102
SNAP0019103	SNAP0019125
SNAP0404262	SNAP0404318
SNAP0649237	SNAP0649237
SNAP0755754	SNAP0755764
SNAP0857671	SNAP0857671
SNAP0892766	SNAP0892766
SNAP1150462	SNAP1150465
SNAP1173274	SNAP1173279

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Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP1717337	SNAP1717347
SNAP1924968	SNAP1925025
SNAP1971289	SNAP1971311
SNAP2331321	SNAP2331528
SNAP2369002	SNAP2369008
SNAP2382505	SNAP2382505
SNAP3157225	SNAP3157284
SNAP3664412	SNAP3664415
SNAP4137715	SNAP4137715
SNAP4620786	SNAP4620786
SNAP4798367	SNAP4798379
META3047MDL-019-00065054	META3047MDL-019-00065054
META3047MDL-047-00765317	META3047MDL-047-00765319
META3047MDL-020-00575591	META3047MDL-020-00575599
META3047MDL-040-00219315	META3047MDL-040-00219316
META3047MDL-004-00026912	META3047MDL-004-00026917
META3047MDL-047-00812745	META3047MDL-047-00812747
META3047MDL-014-00260869	META3047MDL-014-00260876
META3047MDL-014-00335618	META3047MDL-014-00335619
META3047MDL-014-00368069	META3047MDL-014-00368070
META3047MDL-020-00645184	META3047MDL-020-00645221
META3047MDL-020-00691402	META3047MDL-020-00691406
META3047MDL-020-00340104	META3047MDL-020-00340107
META3047MDL-020-00340122	META3047MDL-020-00340248
META3047MDL-003-00009422	META3047MDL-003-00009424
META3047MDL-003-00005644	META3047MDL-003-00005646
META3047MDL-003-00043955	META3047MDL-003-00043957
META3047MDL-003-00027123	META3047MDL-003-00027144

General Causation Report of Eva Telzer (May 16, 2025)

Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-003-00019206	META3047MDL-003-00019214
META3047MDL-003-00095519	META3047MDL-003-00095528
META3047MDL-003-00101855	META3047MDL-003-00101855
META3047MDL-003-00042307	META3047MDL-003-00042311
META3047MDL-003-00113720	META3047MDL-003-00113735
META3047MDL-003-00105124	META3047MDL-003-00105127
META3047MDL-003-00106114	META3047MDL-003-00106115
META3047MDL-003-00149146	META3047MDL-003-00149156
META3047MDL-003-00005736	META3047MDL-003-00005737
META3047MDL-003-00157020	META3047MDL-003-00157027
META3047MDL-003-00157138	META3047MDL-003-00157145
META3047MDL-003-00152554	META3047MDL-003-00152562
META3047MDL-003-00156418	META3047MDL-003-00156419
META3047MDL-003-00157036	META3047MDL-003-00157037
META3047MDL-003-00154816	META3047MDL-003-00154817
META3047MDL-003-00101724	META3047MDL-003-00101774
META3047MDL-003-00089636	META3047MDL-003-00089636
META3047MDL-003-00156702	META3047MDL-003-00156730
META3047MDL-003-00091414	META3047MDL-003-00091504
META3047MDL-003-00106174	META3047MDL-003-00106217
META3047MDL-003-00155882	META3047MDL-003-00155883
META3047MDL-014-00048189	META3047MDL-014-00048189
META3047MDL-040-00031943	META3047MDL-040-00031944
META3047MDL-020-00572432	META3047MDL-020-00572441
META3047MDL-019-00095647	META3047MDL-019-00095652
META3047MDL-050-00172125	META3047MDL-050-00172126

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Ex. B: Materials Considered List

Bates Beg	Bates End
META3047MDL-091-00024566	META3047MDL-091-00024566
META3047MDL-047-00058006	META3047MDL-047-00058006
META3047MDL-165-00000428	META3047MDL-165-00000430
META3047MDL-020-00591925	META3047MDL-020-00591930
META3047MDL-040-00213905	META3047MDL-040-00213905
META3047MDL-003-00175682	META3047MDL-003-00175686
GOOG-3047MDL-02025299	GOOG-3047MDL-02025299
GOOG-3047MDL-00785297	GOOG-3047MDL-00785300
GOOG-3047MDL-02025747	GOOG-3047MDL-02025749
GOOG-3047MDL-02027137	GOOG-3047MDL-02027142
GOOG-3047MDL-00190187	GOOG-3047MDL-00190187
GOOG-3047MDL-00289637	GOOG-3047MDL-00289637
GOOG-3047MDL-05190031	GOOG-3047MDL-05190040
GOOG-3047MDL-00245540	GOOG-3047MDL-00245540
GOOG-3047MDL-00245617	GOOG-3047MDL-00245629
GOOG-3047MDL-00496859	GOOG-3047MDL-00496860
GOOG-3047MDL-00246776	GOOG-3047MDL-00246776
GOOG-3047MDL-00223583	GOOG-3047MDL-00223583
GOOG-3047MDL-01668872	GOOG-3047MDL-01668872
GOOG-3047MDL-01527227	GOOG-3047MDL-01527227
GOOG-3047MDL-02098593	GOOG-3047MDL-02098598
GOOG-3047MDL-04652560	GOOG-3047MDL-04652595
GOOG-3047MDL-03464606	GOOG-3047MDL-03464607
GOOG-3047MDL-00874191	GOOG-3047MDL-00874191
GOOG-3047MDL-04366467	GOOG-3047MDL-04366483
GOOG-3047MDL-01601386	GOOG-3047MDL-01601386

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Ex. B: Materials Considered List

Bates Beg	Bates End
GOOG-3047MDL-01968228	GOOG-3047MDL-01968230
GOOG-3047MDL-04499425	GOOG-3047MDL-04499425
GOOG-3047MDL-00725566	GOOG-3047MDL-00725566
GOOG-3047MDL-05733243	GOOG-3047MDL-05733256
GOOG-3047MDL-01594831	GOOG-3047MDL-01594831
GOOG-3047MDL-01488546	GOOG-3047MDL-01488546
GOOG-3047MDL-00408442	GOOG-3047MDL-00408442
GOOG-3047MDL-01777806	GOOG-3047MDL-01777833
GOOG-3047MDL-00217656	GOOG-3047MDL-00217664
META3047MDL-020-00589181	META3047MDL-020-00589181
META3047MDL-072-00327080	META3047MDL-072-00327096
META3047MDL-050-00066561	META3047MDL-050-00066597
META3047MDL-050-00215015	META3047MDL-050-00215029
META3047MDL-050-00239392	META3047MDL-050-00239408
META3047MDL-065-00123071	META3047MDL-065-00123102
TIKTOK3047MDL-004-00294514	TIKTOK3047MDL-004-00294545
TIKTOK3047MDL-004-00318045	TIKTOK3047MDL-004-00318073
TIKTOK3047MDL-021-LARK-00001415	TIKTOK3047MDL-021-LARK-00001421
TIKTOK3047MDL-021-LARK-00006955	TIKTOK3047MDL-021-LARK-00006962
TIKTOK3047MDL-060-01143638	TIKTOK3047MDL-060-01143649
TIKTOK3047MDL-081-02351723	TIKTOK3047MDL-081-02351723
TIKTOK3047MDL-099-LARK-04803417	TIKTOK3047MDL-099-LARK-04803425
TIKTOK3047MDL-177-LARK-07618640	TIKTOK3047MDL-177-LARK-07618649
SNAP7421940	SNAP7421976
SNAP7428655	SNAP7428656

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Ex. B: Materials Considered List

Bates Beg	Bates End
SNAP7428962	SNAP7428963
META3047MDL-044-00171345	META3047MDL-044-00171371
META3047MDL-019-00059532	META3047MDL-019-00059532
META3047MDL-034-00480382	META3047MDL-034-00480391
META3047MDL-044-00177104	META3047MDL-044-00177105
META3047MDL-020-00253760	META3047MDL-020-00253818
META3047MDL-044-00091392	META3047MDL-044-00091392
META3047MDL-004-00023267	META3047MDL-004-00023269
META3047MDL-014-00330624	META3047MDL-014-00330625
META3047MDL-003-00051814	META3047MDL-003-00051820
META3047MDL-014-00275614	META3047MDL-014-00275614
META3047MDL-072-00317597	META3047MDL-072-00317616
GOOG-3047MDL-00000280	GOOG-3047MDL-00000283
GOOG-3047MDL-01621942	GOOG-3047MDL-01621954
GOOG-3047MDL-01693424	GOOG-3047MDL-01693462
GOOG-3047MDL-05630293.ECM	GOOG-3047MDL-05630301.ECM
GOOG-3047MDL-04805860	GOOG-3047MDL-04805860
GOOG-3047MDL-01995943	GOOG-3047MDL-01995950
GOOG-3047MDL-04683365	GOOG-3047MDL-04683368
SNAP7301586	SNAP7301950
META 3047MDL-020-00711513	META 3047MDL-020-00711524

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Substance Use & Misuse</i>	†Andrade, F. A.	Burnell, K., Godwin, J., & Hoyle, R. H.
2023	<i>JMIR Mental Health</i>	†Andrade, F.	†Erwin, S., Burnell, K., †Jackson, J., †Storch, M., †Nicholas, J., & Zucker, N.
2023	<i>Journal of Health Psychology</i>	†Andrade, F.	Hoyle, R. H., & Burnell, K.
2025	<i>Developmental Psychology</i>	†Field, N.	†Balkind, E., Burnell, K., †Fox, K. A., †Feldman, M. J., Telzer, E. H., & Prinstein, M. J.
2023	<i>Journal of Clinical Child and Adolescent Psychology</i>	†Garrett, S. L.	Burnell, K., Armstrong-Carter, E., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.
2023	<i>Journal of Research on Adolescence</i>	†Garrett, S. L.	Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H.
2021	<i>5Rights Foundation.</i>	5Rights Foundation.	N/A
2024	<i>Social Science Research Network</i>	Abrahamsson, S.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Alcohol use and abstinence throughout adolescence: The changing contributions of perceived risk of drinking, opportunities to drink, and self-control
Intervening on social comparisons on social media: An electronic daily diary pilot study.
Adjusting to the COVID-19 outbreak in the United States: The impact of disruptions on habits and changes in health behaviors
Popularity, but not likeability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence
Links between objectively-measured smartphone use and adolescent wake events across two weeks
Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness
Pathways: How digital design puts children at risk.
Smartphone Bans, Student Outcomes and Ment

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
†Andrade, F. A., Burnell, K., Godwin, J., & Hoyle, R. H. (2024). Alcohol use and abstinence throughout adolescence: The changing contributions of perceived risk of drinking, opportunities to drink, and self-control. <i>Substance Use & Misuse</i> , 59, 910-919.
†Andrade, F., †Erwin, S., Burnell, K., †Jackson, J., †Storch, M., †Nicholas, J., & Zucker, N. (2023). Intervening on social comparisons on social media: An electronic daily diary pilot study. <i>JMIR Mental Health</i> , 10, e42024.
†Andrade, F., Hoyle, R. H., & Burnell, K. (2023). Adjusting to the COVID-19 outbreak in the United States: The impact of disruptions on habits and changes in health behaviors. <i>Journal of Health Psychology</i> , 28, 1307-1319.
†Field, N., †Balkind, E., Burnell, K., †Fox, K. A., †Feldman, M. J., Telzer, E. H., & Prinstein, M. J. (2025). Popularity, but not likeability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence. <i>Developmental Psychology</i> . Advance Online Publication.
†Garrett, S. L., Burnell, K., Armstrong-Carter, E., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2023). Links between objectively-measured smartphone use and adolescent wake events across two weeks. <i>Journal of Clinical Child and Adolescent Psychology</i> . Advance Online Publication.
†Garrett, S. L., Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. <i>Journal of Research on Adolescence</i> . Advance Online Publication.
5Rights Foundation. (2021) Pathways: How digital design puts children at risk. 5Rights Foundation
Abrahamsson, S. (2024). Smartphone Bans, Student Outcomes and Mental Health. <i>Social Science Research Network</i> , 0804-6824 . https://doi.org/10.2139/ssrn.4735240

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Neuron</i>	Abrahao, K. P.	Salinas, A. G., & Lovinger, D. M.
2022	<i>Current Psychology</i>	Acar	Avclar, Yazici, Bostanci
2022	<i>Developmental Cognitive Neuroscience</i>	Achterberg, M.	Becht, A., van der Crujisen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A.
2022	<i>Computers in Human Behavior</i>	Achterhof	Kirtley, Schneider, Hagemann, Hermans, Hiekkaranta, Lecei, Lafit, & Myin-Germeys
ACRI	<i>JAMA Psychiatry</i>	Addiction Cue-Reactivity Initiative (ACRI) Network	Sangchooli, A., et al.
2004	<i>Harv Rev Psychiatry.</i>	Adinoff B.	N/A
2021	<i>Canadian Sociological Review</i>	Adorjan	Ricciardelli

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Alcohol and the Brain: Neuronal Molecular Targets, Synapses, and Circuits
The roles of adolescents' emotional problems and social media addiction on their self-esteem
Longitudinal associations between social media use, mental well-being and structural brain development across adolescence
Adolescents' real-time social and affective experiences of online and face-to-face interactions
Parameter Space and Potential for Biomarker Development in 25 Years of fMRI Drug Cue Reactivity: A Systematic Review
Neurobiologic Processes in Drug Reward and Addiction.
Smartphone and social media addiction: Exploring the perceptions and experiences of Canadian teenagers

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Abrahao, K. P., Salinas, A. G., & Lovinger, D. M. (2017). Alcohol and the Brain: Neuronal Molecular Targets, Synapses, and Circuits. <i>Neuron</i> , 96(6), 1223–1238. https://doi.org/10.1016/j.neuron.2017.10.032
Acar, I.H., Avcılar, G., Yazıcı, G. <i>et al.</i> (2022). The roles of adolescents’ emotional problems and social media addiction on their self-esteem. <i>Current Psychology</i> , 41(10). 6838–6847 https://doi.org/10.1007/s12144-020-01174-5
Achterberg, M., Becht, A., van der Crujisen, R., van de Groep, I. H., Spaans, J. P., Klapwijk, E., & Crone, E. A. (2022). Longitudinal associations between social media use, mental well-being and structural brain development across adolescence. <i>Developmental Cognitive Neuroscience</i> , 54, 101088.
Achterhof, R., Kirtley, O. J., Schneider, M., Hagemann, N., Hermans, K. S. F. M., Hiekkaranta, A. P., Lecei, A., Lafit, G., & Myin-Germeys, I. (2022). Adolescents’ real-time social and affective experiences of online and face-to-face interactions. <i>Computers in Human Behavior</i> , 129 , 107159. https://doi.org/10.1016/j.chb.2021.107159
Addiction Cue-Reactivity Initiative (ACRI) Network, Sangchooli, A., et al., (2024). Parameter Space and Potential for Biomarker Development in 25 Years of fMRI Drug Cue Reactivity: A Systematic Review. <i>JAMA Psychiatry</i> , 81(4), 414. https://doi.org/10.1001/jamapsychiatry.2023.5483
Adinoff B. (2004) Neurobiologic processes in drug reward and addiction. <i>Harv Rev Psychiatry</i> , 12(6):305-20.
Adorjan, M., & Ricciardelli, R. (2021). Smartphone and social media addiction: Exploring the perceptions and experiences of Canadian teenagers. <i>Canadian Review of Sociology/Revue Canadienne de Sociologie</i> , 58 (1), 45–64. https://doi.org/10.1111/cars.12319

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Brain Imaging Behav.</i>	Áfra, E.	Janszky J, Perlaki G, Orsi G, Nagy SA, Arató Á, Szente A, Alhour HAM, Kis-Jakab G, Darnai G.
2020	<i>Journal of Applied Research in Higher Education</i>	Agadullina, E. R.	Lovakov, A., & Kiselnikova, N
2017	<i>Computers in Human Behavior</i>	Ahadzadeh	Sharif, Ong
1989	<i>American Psychologist</i>	Ainsworth, M. S.	N/A
2014	<i>Substance Abuse and Rehabilitation</i>	Wackernah, R. C.	Minnick, M. J., & Clapp, P.
2007	<i>Neuropsychiatric disease and treatment</i>	Alhola, P.	Polo-Kantola, P.
2020	<i>American Economic Review</i>	Allcott, H.	Braghieri, L., Eichmeyer, S., Gentzkow, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Altered functional brain networks in problematic smartphone and social media use: resting-state fMRI study.
Does quitting social networks change feelings of loneliness among freshmen? An experimental study
Self-schema and self-discrepancy mediate the influence of Instagram usage on body image satisfaction among youth
Attachments beyond infancy
Alcohol use disorder: Pathophysiology, effects, and pharmacologic options for treatment.
Sleep deprivation: Impact on cognitive performance
The Welfare Effects of Social Media

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Áfra E, Janszky J, Perlaki G, Orsi G, Nagy SA, Arató Á, Szenté A, Alhour HAM, Kis-Jakab G, Darnai G. Altered functional brain networks in problematic smartphone and social media use: resting-state fMRI study. *Brain Imaging Behav.* 2024 Apr;18(2):292-301. doi: 10.1007/s11682-023-00825-y. Epub 2023 Dec 5. PMID: 38049599; PMCID: PMC11156717.

Agadullina, E. R., Lovakov, A., & Kiselnikova, N. V. (2020). Does quitting social networks change feelings of loneliness among freshmen? An experimental study. *Journal of Applied Research in Higher Education* , 13 (1), 149–163. <https://doi.org/10.1108/jarhe-11-2019-0283>

Ahadzadeh, A. S., Pahlevan Sharif, S., & Ong, F. S. (2017). Self-schema and self-discrepancy mediate the influence of Instagram usage on body image satisfaction among youth. *Computers in Human Behavior* , 68 (68), 8–16. <https://doi.org/10.1016/j.chb.2016.11.011>

Ainsworth, M. S. (1989). Attachments beyond infancy. *American Psychologist*, 44(4), 709–716. <https://doi.org/10.1037/0003-066X.44.4.709>

Alcohol use disorder: Pathophysiology, effects, and pharmacologic options for treatment.

Alhola, P., & Polo-Kantola, P. (2007). Sleep deprivation: Impact on cognitive performance. *Neuropsychiatric disease and treatment* , 3 (5), 553–567.

Allcott, H., Braghieri, L., Eichmeyer, S., & Gentzkow, M. (2020). The Welfare Effects of Social Media. *American Economic Review* , 110 (3), 629–676. <https://doi.org/10.1257/aer.20190658>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2025	N/A	Allcott, H.	Gentzkow, M., Wittenbrink, B., Cisneros, J. C., Crespo-Tenorio, A., Dimmery, D., Freelon, D., González-Bailón, S., Guess, A., Kim, Y. M., Lazer, D., Malhotra, N., Moehler, D., Nair-Desai, S., Nyhan, B., Pan, J., Settle, J., Thorson, E., Tromble, R., Rivera, C. V.
2014	<i>The Australian Educational and developmental Psychologist</i>	Allen, K. A.	Ryan, T., Gray, D. L. McInerney, D. M. & Waters, L.
2022	N/A	Aloteibi, S.	N/A
2024	<i>Acta Paediatrica</i>	Al-Shoaibi, A. A. A.	Zamora, G., Chu, J., Patel, K. P., Ganson, K. T., Testa, A., ... Nagata, J. M.
2019	<i>Journal of Big Data.</i>	Alzuabi I.	Jafar A, Aljoumaa K.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Effect of Deactivating Facebook and Instagram on Users' Emotional State
Social media use and social connectedness in adolescents: The positives and possible pitfalls
The Impact of Smartphone Usage on Students: Teachers' Perspectives and Classroom Policies
Family conflict and less parental monitoring were associated with greater screen time in early adolescence.
Predicting customer's gender and age depending on mobile phone data.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Allcott, H., Gentzkow, M., Wittenbrink, B., Cisneros, J. C., Crespo-Tenorio, A., Dimmery, D., Freelon, D., González-Bailón, S., Guess, A., Kim, Y. M., Lazer, D., Malhotra, N., Moehler, D., Nair-Desai, S., Nyhan, B., Pan, J., Settle, J., Thorson, E., Tromble, R., & Rivera, C. V. (2025). The Effect of Deactivating Facebook and Instagram on Users' Emotional State. National Bureau of Economic Research. Working Paper Series (National Bureau of Economic Research). <https://www.nber.org/papers/w33697>. <http://dx.doi.org/10.3386/w33697>

Allen, K. A., Ryan, T., Gray, D. L. McInerney, D. M. & Waters, L. (2014). Social media use and social connectedness in adolescents: The positives and possible pitfalls. *The Australian Educational and developmental Psychologist*, 31(1), 18-31. doi:10.1017/edp.2014.2

Aloteibi, S. (2022). The Impact of Smartphone Usage on Students: Teachers' Perspectives and Classroom Policies. ProQuest LLC. <http://www.proquest.com/en-US/products/dissertations/individuals.shtml>. <https://eric.ed.gov/?q=How+does+personal+technology+usage+affect+the+cognitive+development+of+school+aged+kids+in+America%3f&pg=2&id=ED648292>

Al-Shoaibi, A. A. A., Zamora, G., Chu, J., Patel, K. P., Ganson, K. T., Testa, A., ... Nagata, J. M. (2024). Family conflict and less parental monitoring were associated with greater screen time in early adolescence. *Acta Paediatrica*, 113, 2452-2458.

Al-Zuabi, I. M., Jafar, A., & Aljoumaa, K. (2019). Predicting customer's gender and age depending on mobile phone data. *Journal of Big Data*, 6 (1). <https://doi.org/10.1186/s40537-019-0180-9>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013/2022	N/A	American Psychiatric Association	N/A
2014	<i>Behavioural Brain Research</i>	Ames, S. L.	Wong, S. W., Bechara, A., Cappelli, C., Dust, M., Grenard, J. L., & Stacy, A. W.
2016	<i>Current Biology</i>	Anderson, B. A.	Kuwabara, H., Wong, D. F., Gean, E. G., Rahmim, A., Brašić, J. R., George, N., Frolov, B., Courtney, S. M., & Yantis, S.
2023	<i>Pew Research Center</i>	Anderson, M.	Faverio, M., Gottfried, J.
2016	<i>Psychology of Addictive Behaviors</i>	Andreassen, C. S.	Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S.
2012	<i>Psychological reports</i>	Andreassen, C. S.	Torsheim, T., Brunborg, G. S., & Pallesen, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Diagnostic and Statistical Manual of Mental Disorders (5th ed., text rev.)
Neural correlates of a Go/NoGo task with alcohol stimuli in light and heavy young drinkers
The Role of Dopamine in Value-Based Attentional Orienting
Teens, Social Media and Technology 2023
Bergen Social Media Addiction Scale
Development of a Facebook Addiction Scale

Literature Review - APA Publication Cite

American Psychiatric Association. (2013/2022). Diagnostic and Statistical Manual of Mental Disorders (5th ed., text rev.). <https://doi.org/10.1176/appi.books.9780890425787>.

Ames, S. L., Wong, S. W., Bechara, A., Cappelli, C., Dust, M., Grenard, J. L., & Stacy, A. W. (2014). Neural correlates of a Go/NoGo task with alcohol stimuli in light and heavy young drinkers. *Behavioural Brain Research*, 274, 382–389. <https://doi.org/10.1016/j.bbr.2014.08.039>

Anderson, B. A., Kuwabara, H., Wong, D. F., Gean, E. G., Rahmim, A., Brašić, J. R., George, N., Frolov, B., Courtney, S. M., & Yantis, S. (2016). The Role of Dopamine in Value-Based Attentional Orienting. *Current Biology*, 26(4), 550–555. <https://doi.org/10.1016/j.cub.2015.12.062>

Anderson, M., Faverio, M., Gottfried, J. (2023). Teens, Social Media and Technology 2023, Pew Research Center , <https://www.pewresearch.org/internet/2023/12/11/teens-social-media-and-technology-2023> ;

Andreassen, C. S., Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S. (2016). Bergen Social Media Addiction Scale. *Psychology of Addictive Behaviors*. <https://doi.org/10.1037/t74607-000>

Andreassen, C. S., Torsheim, T., Brunborg, G. S., & Pallesen, S. (2012). Development of a Facebook Addiction Scale. *Psychological reports*, 110(2), 501–517. <https://doi.org/10.2466/02.09.18.PR0.110.2.501-517>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2012	<i>Psychological Reports</i>	Andreassen, C.S.	Torsheim, T., Brunborg, G. S., & Pallesen, S.
2019	<i>Review of General Psychology</i>	Appel	Marker, Gnambs
2025	<i>Nature</i>	N/A	N/A
2023	<i>Developmental Psychology</i>	Armstrong-Carter	Garrett, Nick, Prinstein, & Telzer
2023	<i>Developmental Psychology</i>	Armstrong-Carter, E.	Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H.
2020	<i>Developmental Psychology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Journal of Family Psychology</i>	Armstrong-Carter, E†.	Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Development of a Facebook Addiction Scale
Are Social Media Ruining Our Lives? A Review of Meta-Analytic Evidence
Are screens harming teens? What scientists can do to find answers.
Momentary Links Between Adolescents' Social Media Use and Social Experiences and Motivations: Individual Differences by Peer Susceptibility.
Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility
Family meals buffer the daily emotional risk associated with family conflict
Advancing measurement and research on youths' prosocial behavior in the digital age
Bi-directional spillover across days between family assistance and physical health experiences during adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Andreassen, C. S., Torsheim, T., Brunborg, G. S., & Pallesen, S. (2012). Development of a Facebook Addiction Scale. <i>Psychological Reports</i> , 110(2), 501-517. https://doi.org/10.2466/02.09.18.PR0.110.2.501-517 (Original work published 2012)
Appel, M., Marker, C., & Gnambs, T. (2019). Are Social Media Ruining Our Lives? A Review of Meta-Analytic Evidence. <i>Review of General Psychology</i> , 24(1), 60-74. https://doi.org/10.1177/1089268019880891
Are screens harming teens? What scientists can do to find answers. (2025) <i>Nature</i> , 640(8057):7-8. doi: 10.1038/d41586-025-00991-7. PMID: 40175758.
Armstrong-Carter, E., Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H. (2023). Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility. <i>Developmental Psychology</i> , 59(4), 707–719. https://doi.org/10.1037/dev0001503
Armstrong-Carter, E., Garrett, S. L., Nick, E. A., Prinstein, M. J., & Telzer, E. H. (2023). Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility. <i>Developmental Psychology</i> , 59(4), 707–719. https://doi.org/10.1037/dev0001503
Armstrong-Carter, E.†. & Telzer, E.H. (2020). Family meals buffer the daily emotional risk associated with family conflict. <i>Developmental Psychology</i> , 56, 2110-2120. https://doi.org/10.1037/dev0001111
Armstrong-Carter, E.†. & Telzer, E.H. (2021). Advancing measurement and research on youths' prosocial behavior in the digital age. <i>Child Development Perspectives</i> , 15, 31-36. https://doi.org/10.1111/cdep.12396
Armstrong-Carter, E.†. & Telzer, E.H. (2021). Bi-directional spillover across days between family assistance and physical health experiences during adolescence. <i>Journal of Family Psychology</i> , 35, 875-885. https://doi.org/10.1037/fam0000836

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Developmental Psychobiology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Telzer, E.H.
2021	<i>Current Research in Behavioral Sciences</i>	Armstrong-Carter, E†.	Telzer, E.H.
2022	<i>Comprehensive Psychoneuroendocrinology</i>	Armstrong-Carter, E†.	Telzer, E.H.
2022	<i>Scientific Reports</i>	Armstrong-Carter, E†.	Telzer, E.H.
(in press)	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Telzer, E.H.
2022	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Bibby, E†., Burroughs, M†., Flannery, J†., Duell, N†., Nelson, B†., Prinstein, M.J., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Daily provision of instrumental and emotional support to friends is associated with diurnal cortisol during adolescence
Family assistance spills over into prosocial behaviors toward friends and positive academic behaviors
Understanding prosocial developmentin the context of systemic inequalities in the US and worldwide
Adolescents take more risks on days they have high diurnal cortisol or emotional distress
Biological sensitivity to environmental context fluctuates dynamically within individuals from day to day.
The development of prosocial risk-taking behavior across childhood and adolescence: Mechanisms and opportunities
Adolescents are more likely to help others on days they take risks and crave social connections

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Armstrong-Carter, E†. & Telzer, E.H. (2021). Daily provision of instrumental and emotional support to friends is associated with diurnal cortisol during adolescence. <i>Developmental Psychobiology</i> , 63, 1266-1278. https://doi.org/10.1002/dev.22101
Armstrong-Carter, E†. & Telzer, E.H. (2021). Family assistance spills over into prosocial behaviors toward friends and positive academic behaviors. <i>Journal of Research on Adolescence</i> , 31, 1188-1201. https://doi.org/10.1111/jora.12629
Armstrong-Carter, E†. & Telzer, E.H. (2021). Understanding prosocial development in the context of systemic inequalities in the US and worldwide. <i>Current Research in Behavioral Sciences</i> , 2, 100040. https://doi.org/10.1016/j.crbeha.2021.100040
Armstrong-Carter, E†. & Telzer, E.H. (2022). Adolescents take more risks on days they have high diurnal cortisol or emotional distress. <i>Comprehensive Psychoneuroendocrinology</i> , 9, 100106. https://doi.org/10.1016/j.cpnec.2021.100106
Armstrong-Carter, E†. & Telzer, E.H. (2022). Biological sensitivity to environmental context fluctuates dynamically within individuals from day to day. <i>Scientific Reports</i> , 12, 11134. https://doi.org/10.1038/s41598-022-14481-7
Armstrong-Carter, E†. & Telzer, E.H. (in press). The development of prosocial risk-taking behavior across childhood and adolescence: Mechanisms and opportunities. <i>Child Development Perspectives</i> . https://doi.org/10.1111/cdep.12525
Armstrong-Carter, E†., Bibby, E†., Burroughs, M†., Flannery, J†., Duell, N†., Nelson, B†., Prinstein, M.J., & Telzer, E.H. (2022). Adolescents are more likely to help others on days they take risks and crave social connections. <i>Journal of Research on Adolescence</i> , 32, 1421-1432. http://doi.org/10.1111/jora.12705

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Journal of Adolescence</i>	Armstrong-Carter, E†.	Do, K.T†., Guassi Moreira, J.F†., Prinstein, M.J. & Telzer, E.H.
2023	<i>Social Development</i>	Armstrong-Carter, E†.	Do, K.T†., Duell, N†., Kwon, S†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H.
2022	<i>Scientific Reports</i>	Armstrong-Carter, E†.	Fuligni, A.J., Wu, X., Gonzales, N., & Telzer, E.H.
2023	<i>Developmental Psychology</i>	Armstrong-Carter, E†.	Garrett, S.L†., Nick, E.A., Prinstein, M.J., & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	Armstrong-Carter, E†.	Guassi Moreira, J†., Ivory, S†., & Telzer, E.H.
2020	<i>Child Development</i>	Armstrong-Carter, E†.	Ivory, S†., Lin, L.C†., Muscatell, K.A., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Examining a new prosocial risk-taking scale in a longitudinal sample of ethnically diverse adolescents
Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences
A 28-day, two-year study reveals that adolescents are more fatigued and distress on days with greater NO2 and CO air position
Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility
Daily links between helping behaviors and emotional well-being during late adolescence
Role fulfillment mediates the relationship between daily family assistance and cortisol awakening response in adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Armstrong-Carter, E†., Do, K.T†., Guassi Moreira, J.F†., Prinstein, M.J. & Telzer, E.H. (2021). Examining a new prosocial risk-taking scale in a longitudinal sample of ethnically diverse adolescents. *Journal of Adolescence* , 93, 222-233. <https://doi.org/10.1016/j.adolescence.2021.11.002>

Armstrong-Carter, E†., Do, K.T†., Duell, N†., Kwon, S†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Adolescents' perceptions of social risk and prosocial tendencies: Developmental change and individual differences. *Social Development*, 32, 188-203. <https://doi.org/10.1111/sode.12630>

Armstrong-Carter, E†., Fuligni, A.J., Wu, X., Gonzales, N., & Telzer, E.H. (2022). A 28-day, two-year study reveals that adolescents are more fatigued and distress on days with greater NO2 and CO air position. *Scientific Reports*, 12, 17015. <https://doi.org/10.1038/s41598-022-20602-z>

Armstrong-Carter, E†., Garrett, S.L†., Nick, E.A., Prinstein, M.J., & Telzer, E.H. (2023). Momentary links between adolescents' social media use and social experiences and motivations: Individual differences by peer susceptibility. *Developmental Psychology* , 59(4), 707–719. <https://doi.org/10.1037/dev0001503>
<https://doi.org/10.1037/dev0001664>

Armstrong-Carter, E†., Guassi Moreira, J†., Ivory, S†., & Telzer, E.H. (2020). Daily links between helping behaviors and emotional well-being during late adolescence. *Journal of Research on Adolescence* , 30, 943-955. <https://doi.org/10.1111/jora.12572>

Armstrong-Carter, E†., Ivory, S†., Lin, L.C†. Muscatell, K.A., & Telzer, E.H. (2020). Role fulfillment mediates the relationship between daily family assistance and cortisol awakening response in adolescents. *Child Development* , 91, 754-768. <https://doi.org/10.1111/cdev.13213>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
(in press)	<i>Developmental Cognitive Neuroscience</i>	Armstrong-Carter, E†.	Kwon., SJ†., Jorgenson, N†., Prinstein, M.J., Lindquist, K.L., & Telzer, E.H.
2021	<i>Developmental Psychobiology</i>	Armstrong-Carter, E†.	Nelson, B.W†., & Telzer, E.H.
2019	<i>Child Development Perspectives</i>	Armstrong-Carter, E†.	Olson, E.A. & Telzer, E.H.
2024	<i>Oxford University Press</i>	Arnett, J.J.	N/A
2009	<i>The Journal of Pediatrics</i>	Arnsten, A. F. T.	N/A
2022	<i>Addictive Behaviors</i>	Arrivillaga	Rey, Extremera
2016	<i>Journal of Applied Communication Research</i>	Arroyo	Brunner

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Socioeconomic status and adolescents' risk-taking behavior: No longitudinal link or differences by neurobiological activation when anticipating social rewards
Prior night sleep moderates the daily spillover between conflict with peers and family and diurnal cortisol
A unifying approach for investigating and understanding youths' help and care for the family
A Longer Road to Adulthood. In Emerging Adulthood: The Winding Road from the Late Teens Through the Twenties
The emerging neurobiology of attention deficit hyperactivity disorder: The key role of the prefrontal association cortex
A mediated path from emotional intelligence to problematic social media use in adolescents: The serial mediation of perceived stress and depressive symptoms.
Negative body talk as an outcome of friends' fitness posts on social networking sites: body surveillance and social comparison as potential moderators

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Armstrong-Carter, E†., Kwon., SJ†., Jorgenson, N†., Prinstein, M.J., Lindquist, K.L., & Telzer, E.H., (in press). Socioeconomic status and adolescents' risk-taking behavior: No longitudinal link or differences by neurobiological activation when anticipating social rewards. *Developmental Cognitive Neuroscience*.

Armstrong-Carter, E†., Nelson, B.W†., & Telzer, E.H. (2021). Prior night sleep moderates the daily spillover between conflict with peers and family and diurnal cortisol. *Developmental Psychobiology* , 63, e22209. <http://dx.doi.org/10.1002/dev.22209>

Armstrong-Carter, E†., Olson, E.A., & Telzer, E.H. (2019). A unifying approach for investigating and understanding youths' help and care for the family. *Child Development Perspectives* , 13, 186-192. <https://doi.org/10.1111/cdep.12336>

Arnett, J.J. (2024). A Longer Road to Adulthood. In *Emerging Adulthood: The Winding Road from the Late Teens Through the Twenties*. Oxford University Press.
<https://doi.org/10.1093/oso/9780197695937.003.0001>.

Arnsten, A. F. T. (2009). The emerging neurobiology of attention deficit hyperactivity disorder: The key role of the prefrontal association cortex. *The Journal of Pediatrics* , 154 (5), I-S43.
<https://doi.org/10.1016/j.jpeds.2009.01.018>

Arrivillaga, C., Rey, L., & Extremera, N. (2022). A mediated path from emotional intelligence to problematic social media use in adolescents: the serial mediation of perceived stress and depressive symptoms. *Addictive Behaviors* , 124 , 107095.
<https://doi.org/10.1016/j.addbeh.2021.107095>

Arroyo, A., & Brunner, S. R. (2016). Negative body talk as an outcome of friends' fitness posts on social networking sites: body surveillance and social comparison as potential moderators. *Journal of Applied Communication Research* , 44 (3), 216–235. <https://doi.org/10.1080/00909882.2016.1192293>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Asimovic, N.,	Nagler, J., Bonneau, R., & Tuc
2024	<i>Personality and Individual Differences</i>	Aubry	Quiamzade, & Meier
2022	<i>Acta Psychologica</i>	Azhari	Toms, Pavlopoulou, Esposito, Dimitriou
2011	<i>Nature Reviews Neuroscience</i>	Badiani, A.	Belin, D., Epstein, D., Calu, D., & Shaham, Y.
2024	<i>Developmental Cognitive Neuroscience</i>	Baker, A. E.	Galván, A. & Fuligni, A. J.
2019	<i>Cyberpsychology, behavior and social networking</i>	Baker	Ferszt, Breines
2017	<i>PloS one</i>	Bányai, F.	Zsila, Á., Király, O., Maraz, A., Elekes, Z., Griffiths, M. D., Andreassen, C. S., & Demetrovics, Z.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Testing the effects of Facebook usage in an ethnically polarized setting
Depressive symptoms and upward social comparisons during Instagram use: A vicious circle
Social media use in female adolescents: Associations with anxiety, loneliness, and sleep disturbances
Opiate versus psychostimulant addiction: The differences do matter
The connecting brain in context: How adolescent plasticity supports learning and development
A Qualitative Study Exploring Female College Students' Instagram Use and Body Image
Problematic Social Media Use: Results from a Large-Scale Nationally Representative Adolescent Sample

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Asimovic, N., Nagler, J., Bonneau, R., & Tucker, J. A. (2021). Testing the effects of Facebook usage in an ethnically polarized setting. *Proceedings of the National Academy of Sciences of the United States of America* , 118 (25), e2022819118. <https://doi.org/10.1073/pnas.2022819118>

Aubry, R., Quiamzade, A., & Meier, L. L. (2024). Depressive symptoms and upward social comparisons during Instagram use: A vicious circle. *Personality and Individual Differences* , 217 , 112458. <https://doi.org/10.1016/j.paid.2023.112458>

Azhari, A., Toms, Z., Pavlopoulou, G., Esposito, G., & Dimitriou, D. (2022). Social media use in female adolescents: Associations with anxiety, loneliness, and sleep disturbances. *Acta Psychologica* , 229 (229), 103706. <https://doi.org/10.1016/j.actpsy.2022.103706>

Badiani, A., Belin, D., Epstein, D., Calu, D., & Shaham, Y. (2011). Opiate versus psychostimulant addiction: The differences do matter. *Nature Reviews Neuroscience*, 12(11), 685–700. <https://doi.org/10.1038/nrn3104>

Baker, A. E., Galván, A., & Fuligni, A. J. (2024). The connecting brain in context: How adolescent plasticity supports learning and development. *Developmental Cognitive Neuroscience* , 71 , 101486. <https://doi.org/10.1016/j.dcn.2024.101486>

Baker, N., Ferszt, G., & Breines, J. G. (2019). A Qualitative Study Exploring Female College Students' Instagram Use and Body Image. *Cyberpsychology, Behavior, and Social Networking* , 22 (4). <https://doi.org/10.1089/cyber.2018.0420>

Bányai, F., Zsila, Á., Király, O., Maraz, A., Elekes, Z., Griffiths, M. D., Andreassen, C. S., & Demetrovics, Z. (2017). Problematic Social Media Use: Results from a Large-Scale Nationally Representative Adolescent Sample. *PloS one*, 12(1), e0169839. <https://doi.org/10.1371/journal.pone.0169839>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Research on Adolescence</i>	Barendse, M.E.A.	Flannery, J.E†., Cavanagh, C., Aristizabal, M., Becker, S.P., Berfer E., Breaux R., Campione-Barr, N., Church, J.A., Crone, E.A., Dahl, R.E., Dennis-Tiwary, T.A., Dvorsky, M.R., Dziura, S.L., van de Groep, S., Ho, T.C., Killoren, S.E., Langberg, J.M., Larguinho, T.L., Magis-Weinberg, L., Michalska, K.J., Mullins, J.L., Nadel, H., Porter, B.M., Prinstein, M.J., Redcay, E., Rose, A.J., Rote, W.M., Roy, A.K., Sweijen S.W., Telzer, E.H., Teresi, G.I., Thomas, A.G. & Pfeifer, J.H.
2007	<i>Journal of Youth and Adolescence</i>	Barnes, G. M.	Hoffman, J. H., Welte, J. W., Farrell, M. P., & Dintcheff, B. A.
2023	<i>Computers in Human Behavior</i>	Barnes	Newman, Keenan
2021	<i>New Media & Society</i>	Barnwell	Neves, Ravn

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic.
Adolescents' time use: Effects on substance use, delinquency and sexual activity
A comparison of the impact of exposure to fit ideal and non-fit ideal body shapes in fitspiration imagery on women
Captured and captioned: Representing family life on Instagram

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Barendse, M.E.A., Flannery, J.E†., Cavanagh, C., Aristizabal, M., Becker, S.P., Berfer E., Breaux R., Campione-Barr, N., Church, J.A., Crone, E.A., Dahl, R.E., Dennis-Tiwary, T.A., Dvorsky, M.R., Dziura, S.L., van de Groep, S., Ho, T.C., Killoren, S.E., Langberg, J.M., Larguinho, T.L., Magis-Weinberg, L., Michalska, K.J., Mullins, J.L., Nadel, H., Porter, B.M., Prinstein, M.J., Redcay, E., Rose, A.J., Rote, W.M., Roy, A.K., Sweijen S.W., Telzer, E.H., Teresi, G.I., Thomas, A.G. & Pfeifer, J.H. (2023). Longitudinal change in adolescent depression and anxiety symptoms from before to during the COVID-19 pandemic. *Journal of Research on Adolescence*, 33, 74-91. <https://doi.org/10.1111/jora.12781>.

Barnes, G. M., Hoffman, J. H., Welte, J. W., Farrell, M. P., & Dintcheff, B. A. (2007). Adolescents' time use: Effects on substance use, delinquency and sexual activity. *Journal of Youth and Adolescence*, 36(5),697–710. <https://doi.org/10.1007/s10964-006-9075-0>

Barnes, K., Newman, E., & Keenan, G. (2023). A comparison of the impact of exposure to fit ideal and non-fit ideal body shapes in fitspiration imagery on women. *Computers in Human Behavior*, 144 (1), 107728. <https://doi.org/10.1016/j.chb.2023.107728>

Barnwell, A., Neves, B. B., & Ravn, S. (2021). Captured and captioned: Representing family life on Instagram. *New Media & Society*, 25(5), 921-942. <https://doi.org/10.1177/14614448211012791> (Original work published 2023)

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>NEA Today</i>	Barrett, K.	N/A
2021	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Baskin-Sommers, A.	Simmons, C., Conley, M., Chang, S. A., Estrada, S., Collins, M., Pelham, W., Beckford, E., Mitchell-Adams, H., Berrian, N., Tapert, S. F., Gee, D. G., & Casey, B. J.
2024	<i>PPM</i>	Basu	Blanton, Gonzales, Hendricks, Mehari, & Smith
2024	<i>Journal of Adolescence</i>	Battaglini	Rnic, Jopling, Tracy, LeMoult
2024	<i>Nature Human Behaviour</i>	Batten, S. R.	et al.,
2024	<i>Sleep Medicine Reviews</i>	Bauducco	Pillion, Bartel, Reynolds, Kahn, Gradisar
1995	<i>Psychological Bulletin</i>	Baumeister, R. F.	Leary, M. R.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social Media's Impact on Students' Mental Health Comes into Focus
Adolescent civic engagement: Lessons from Black Lives Matter
Upward Social Comparisons and Suicidal Ideation on Facebook: Moderating Role of Thwarted Belongingness
Communication modality matters: Co-rumination via in-person versus digital modalities has different prospective associations with depression and friendship quality
Dopamine and serotonin in human substantia nigra track social context and value signals during economic exchange
A bidirectional model of sleep and technology use: A theoretical review of How much, for whom, and which mechanisms
The need to belong: desire for interpersonal attachments as a fundamental human motivation

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Barrett, K. (2018). <i>Social Media's Impact on Students' Mental Health Comes Into Focus</i> / NEA . Wwww.nea.org; National Education Association. https://www.nea.org/nea-today/all-news-articles/social-medias-impact-students-mental-health-comes-focus
Baskin-Sommers, A., Simmons, C., Conley, M., Chang, S. A., Estrada, S., Collins, M., Pelham, W., Beckford, E., Mitchell-Adams, H., Berrian, N., Tapert, S. F., Gee, D. G., & Casey, B. J. (2021). Adolescent civic engagement: Lessons from Black Lives Matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 118(41), e2109860118. https://doi.org/10.1073/pnas.2109860118
Basu, N., Blanton, M. A., Gonzales, J., Hendricks, K. E., Mehari, K., & Smith, P. N. (2024). Upward social comparisons and suicidal ideation on Facebook: Moderating role of thwarted belongingness. <i>Psychology of Popular Media</i> , 13(3), 513–517. https://doi.org/10.1037/ppm0000505
Battaglini, A. M., Rnic, K., Jopling, E., Tracy, A., & LeMoult, J. (2024). Communication modality matters: Co-rumination via in-person versus digital modalities has different prospective associations with depression and friendship quality. <i>Journal of adolescence</i> , 96 (3), 645–658. https://doi.org/10.1002/jad.12289
Batten, S. R., et al., (2024). Dopamine and serotonin in human substantia nigra track social context and value signals during economic exchange. <i>Nature Human Behaviour</i> , 8(4), 718–728. https://doi.org/10.1038/s41562-024-01831-w
Bauducco, S., Pillion, M., Bartel, K., Reynolds, C., Kahn, M., & Gradisar, M. (2024). A Bidirectional Model of Sleep and Technology Use: A Theoretical Review of How much, For whom, And which mechanisms. <i>Sleep Medicine Reviews</i> , 76 , 101933–101933. https://doi.org/10.1016/j.smr.2024.101933
Baumeister, R. F., & Leary, M. R. (1995). The need to belong: desire for interpersonal attachments as a fundamental human motivation. <i>Psychological Bulletin</i> , 117(3), 497–529. https://doi.org/10.1037/0033-2909.117.3.497

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1995	<i>Psychological Bulletin</i>	Baumeister, R. F.	Leary, M. R.
2005	<i>Neuron</i>	Bayer, H. M.	Glimcher, P. W.
2011	<i>Pharmacological Reviews</i>	Beaulieu, J.-M.	Gainetdinov, R. R.
2020	<i>Journal of Adolescent Health</i>	Beeres	Andersson, Vossen, & Galanti
2019	<i>Health Education & Behavior</i>	Bekalu	McCloud, Viswanath
2016	<i>Labour Economics</i>	Beland, L.-P.	Murphy, R.
2016	<i>Labour Economics</i>	Beland, L.-P.	Murphy, R.
2024	<i>Psychology of Popular Media</i>	Bell	Talbot, Deighton-Smith

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Need to Belong: Desire for Interpersonal Attachments as a Fundamental Human Motivation
Midbrain Dopamine Neurons Encode a Quantitative Reward Prediction Error Signal
The Physiology, Signaling, and Pharmacology of Dopamine Receptors
Social Media and Mental Health Among Early Adolescents in Sweden: A Longitudinal Study With 2-Year Follow-Up (KUPOL Study)
Association of Social Media Use With Social Well-Being, Positive Mental Health, and Self-Rated Health: Disentangling Routine Use From Emotional Connection to Use
Ill Communication: Technology, distraction & student performance
Ill Communication: Technology, distraction & student performance
Following Up on #Fitspiration: A Comparative Content Analysis and Thematic Analysis of Social Media Content Aiming to Inspire Fitness From 2014 and 2021

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Baumeister, R. F., & Leary, M. R. (1995). The Need to Belong: Desire for Interpersonal Attachments as a Fundamental Human Motivation. *Psychological Bulletin*, 117(3), 497–529.
<https://doi.org/10.1037/0033-2909.117.3.497>

Bayer, H. M., & Glimcher, P. W. (2005). Midbrain Dopamine Neurons Encode a Quantitative Reward Prediction Error Signal. *Neuron*, 47(1), 129–141.
<https://doi.org/10.1016/j.neuron.2005.05.020>

Beaulieu, J.-M., & Gainetdinov, R. R. (2011). The Physiology, Signaling, and Pharmacology of Dopamine Receptors. *Pharmacological Reviews*, 63(1), 182–217.
<https://doi.org/10.1124/pr.110.002642>

Beeres, D. T., Andersson, F., Vossen, H. G. M., & Galanti, M. R. (2020). Social Media and Mental Health Among Early Adolescents in Sweden: A Longitudinal Study With 2-Year Follow-Up (KUPOL Study). *Journal of Adolescent Health*, 68(5).
<https://doi.org/10.1016/j.jadohealth.2020.07.042>

Bekalu, M.A., McCloud, R.F., Viswanath, K. (2019). Association of Social Media Use With Social Well-Being, Positive Mental Health, and Self-Rated Health: Disentangling Routine Use From Emotional Connection to Use. *Health Education & Behavior*. 2019;46. :69S-80S. doi:10.1177/1090198119863768

Beland, L.-P., & Murphy, R. (2016). Ill Communication: Technology, distraction & student performance. *Labour Economics*, 41(1), 61–76.
<https://doi.org/10.1016/j.labeco.2016.04.004>

Beland, L.-P., & Murphy, R. (2016). Ill Communication: Technology, distraction & student performance. *Labour Economics*, 41(1), 61–76.
<https://doi.org/10.1016/j.labeco.2016.04.004>

Bell, B. T., Talbot, C. V., & Deighton-Smith, N. (2024). Following up on #fitspiration: A comparative content analysis and thematic analysis of social media content aiming to inspire fitness from 2014 and 2021. *Psychology of Popular Media*, 13(4), 666–676.
<https://doi.org/10.1037/ppm0000523>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Sex Roles</i>	Belmonte	Hopper, Aubrey
2022	<i>Applied Economic Analysis</i>	Beneito, P.	Vicente-Chirivella, Ó.
2019	<i>Journal of American College Health</i>	Bennett	Whisenhunt, Hudson, Wagner, Latner, Stefano, & Beauchamp
2007	<i>Psychopharmacology</i>	Berridge, K. C.	N/A
2018	<i>Acta Psychiatrica Scandinavica</i>	Berry	Emsley, Lobban, & Bucci
2010	<i>Child Development</i>	Best, J. R.	Miller, P. H.
2022	<i>Nature</i>	Bethlehem, R. . I.	N/A
2008	<i>Nat Neurosci</i>	Beuming, T	Kniazeff, J, Bergmann, ML, Shi, L, Gracia, L, and Raniszewska, K
2018	<i>Proceedings of the National Academy of Sciences</i>	Beyens, I.	Valkenburg, P. M. & Piotrowski, J. T.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Instagram Use and Endorsement of a Voluptuous Body Ideal: A Serial Mediation Model
Banning mobile phones in schools: Evidence from regional-level policies in Spain
Examining the impact of social media on mood and body dissatisfaction using ecological momentary assessment
The debate over dopamine's role in reward: The case for incentive salience
Social media and its relationship with mood, self-esteem and paranoia in psychosis
A Developmental Perspective on Executive Function
Brain charts for the human lifespan
The binding sites for cocaine and dopamine in the dopamine transporter overlap
Screen media use and ADHD-related behaviors: Four decades of research

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Belmonte, A., Hopper, K. M., & Aubrey, J.S. (2024). Instagram Use and Endorsement of a Voluptuous Body Ideal: A Serial Mediation Model. <i>Sex Roles</i> , 90 (2). https://doi.org/10.1007/s11199-024-01442-9</p>
<p>Beneito, P., & Vicente-Chirivella, Ó. (2022). Banning mobile phones in schools: Evidence from regional-level policies in Spain. <i>Applied Economic Analysis</i> , 30 (90). https://doi.org/10.1108/aea-05-2021-0112</p>
<p>Bennett, B. L., Whisenhunt, B. L., Hudson, D. L., Wagner, A. F., Latner, J. D., Stefano, E. C., & Beauchamp, M. T. (2019). Examining the impact of social media on mood and body dissatisfaction using ecological momentary assessment. <i>Journal of American College Health</i> , 68 (5), 502–508. https://doi.org/10.1080/07448481.2019.1583236</p>
<p>Berridge, K. C. (2007). The debate over dopamine’s role in reward: The case for incentive salience. <i>Psychopharmacology</i>, 191(3), 391–431. https://doi.org/10.1007/s00213-006-0578-x</p>
<p>Berry, N., Emsley, R., Lobban, F., & Bucci, S. (2018). Social media and its relationship with mood, self-esteem and paranoia in psychosis. <i>Acta Psychiatrica Scandinavica</i> , 138 (6), 558–570. https://doi.org/10.1111/acps.12953</p>
<p>Best, J. R., & Miller, P. H. (2010). A Developmental Perspective on Executive Function. <i>Child Development</i> , 81 (6), 1641–1660. https://doi.org/10.1111/j.1467-8624.2010.01499.x</p>
<p>Bethlehem, R. . I., (2022). Brain charts for the human lifespan. <i>Nature</i>, 604(7906), 525–533. https://doi.org/10.1038/s41586-022-04554-y</p>
<p>Beuming, T, Kniazeff, J, Bergmann, ML, Shi, L, Gracia, L, and Raniszewska, K (2008). The binding sites for cocaine and dopamine in the dopamine transporter overlap. <i>Nat Neurosci.</i> 11, 780-789.</p>
<p>Beyens, I., Valkenburg, P. M., & Piotrowski, J. T. (2018). Screen media use and ADHD-related behaviors: Four decades of research. <i>Proceedings of the National Academy of Sciences</i> , 115 (40), 9875–9881. https://doi.org/10.1073/pnas.1611611114</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Frontiers for Young Minds</i>	Bezdek, K. G.	Telzer, E. H.
2023	<i>Developmental Psychology</i>	Bibby, E.S†.	Choukas-Bradley, S., Widman, L., Turpyn, C., Prinstein, M.J., & Telzer, E. H.
2015	<i>J Behav Addict</i>	Billieux, J., A.	Schimmenti, Y. Khazaal, P. Maurage, A. Heeren
2024	<i>PPM</i>	Bissell	Chou
2022	<i>Body Image</i>	Mink	Szymanski
2020	<i>eClinicalMedicine</i>	Biswas, T.	et. al.
2025	<i>Journal of Adolescent Health</i>	Blackwell	et. al.
2012	<i>J R Soc Medicine</i>	Blakemore	N/A
2008	<i>Nature reviews Neuroscience</i>	Blakemore S. J.	N/A
2008	<i>Quarterly Journal of Experimental Psychology</i>	Blakemore, S.-J.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Have No Fear, the Brain Is Here! How Your Brain Responds to Stress
A longitudinal assessment of adolescents' sexual communication with parents, best friends, and dating partners
Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research'
Living for the Likes: Social Media Use, Fear of Missing Out, and Body and Life Satisfaction in Women
TikTok use and body dissatisfaction: Examining direct, indirect, and moderated relations
Global Variation In the Prevalence of Suicidal Ideation, Anxiety and Their Correlates Among Adolescents: A Population Based Study of 82 Countries
Adolescent Social Media Use and Mental Health in the Environmental Influences on Child Health Outcomes Study.
Development of the social brain in adolescence
The social brain in adolescence
Development of the Social Brain during Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Bezdek, K. G., & Telzer, E. H. (2017). Have No Fear, the Brain Is Here! How Your Brain Responds to Stress. <i>Frontiers for Young Minds</i> , 5 . https://doi.org/10.3389/frym.2017.00071
Bibby, E.S†., Choukas-Bradley, S., Widman, L., Turpyn, C., Prinstein, M.J., & Telzer, E. H. (2023). A longitudinal assessment of adolescents’ sexual communication with parents, best friends, and dating partners. <i>Developmental Psychology</i> , 59, 1300-1314. https://doi.org/10.1037/dev0001556
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Blakemore (2012). Development of the social brain in adolescence. <i>J R Soc Medicine</i> 105(3):111-116.
Blakemore S. J. (2008). The social brain in adolescence. <i>Nature reviews. Neuroscience</i> , 9(4), 267–277. https://doi.org/10.1038/nrn2353
Blakemore, S.-J. (2008). Development of the Social Brain during Adolescence. <i>Quarterly Journal of Experimental Psychology</i> , 61 (1), 40–49. https://doi.org/10.1080/17470210701508715

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2012	<i>Journal of the Royal Society of Medicine</i>	Blakemore, S.-J.	N/A
2019	<i>The Lancet</i>	Blakemore, S.-J.	N/A
2014	<i>Annual Review of Psychology</i>	Blakemore, S.-J.	Mills, K. L.
2020	<i>Child Development</i>	Blankenstein, N.E†.	Telzer, E.H., Do, K.T†., van Duijvenvoorde, A.C.K., & Crone, E.A.
2022	<i>Human Brain Mapping</i>	Bloom, P.	VanTieghem, M., Gabard-Durnam, L., Gee, D.G., Flannery, J., Caldera, C., Goff, B., Telzer, E.H., Humphreys, K.L., Fareri, D.S., Shapiro, M., Algharazi, S., Bolger, N., Aly, M., Tottenham, N.
2022	<i>Child Development</i>	Boer	Stevens, Finkenauer, & van den Eijnden
2021	<i>Computers in Human Behavior</i>	Boer	Stevens, Finkenauer, de Looze, van den Eijnden

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Development of the social brain in adolescence
Adolescence and mental health
Is Adolescence a Sensitive Period for Sociocultural Processing?
Behavioral and neural pathways supporting the development of prosocial and risk-taking behavior across adolescence
Age-related change in task-evoked amygdala-prefrontal circuitry: a multiverse approach with an accelerated longitudinal cohort aged 4-22 years
The course of problematic social media use in young adolescents: A latent class growth analysis
Social media use intensity, social media use problems, and mental health among adolescents: Investigating directionality and mediating processes

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Blakemore, S.-J. (2012). Development of the social brain in adolescence. *Journal of the Royal Society of Medicine* , 105 (3), 111–116. <https://doi.org/10.1258/jrsm.2011.110221>

Blakemore, S.-J. (2019). Adolescence and mental health. *The Lancet* , 393 (10185), 2030–2031. [https://doi.org/10.1016/s0140-6736\(19\)31013-x](https://doi.org/10.1016/s0140-6736(19)31013-x)

Blakemore, S.-J., & Mills, K. L. (2014). Is Adolescence a Sensitive Period for Sociocultural Processing? *Annual Review of Psychology* , 65 (1), 187–207. <https://doi.org/10.1146/annurev-psych-010213-115202>

Blankenstein, N.E†., Telzer, E.H., Do, K.T†., van Duijvenvoorde, A.C.K., & Crone, E.A. (2020). Behavioral and neural pathways supporting the development of prosocial and risk-taking behavior across adolescence. *Child Development* , 91, e665-e681. <https://doi.org/10.1111/cdev.13292>

Bloom, P., VanTieghem, M., Gabard-Durnam, L., Gee, D.G., Flannery, J., Caldera, C., Goff, B., Telzer, E.H., Humphreys, K.L., Fareri, D.S., Shapiro, M., Algharazi, S., Bolger, N., Aly, M., Tottenham, N. (2022). Age-related change in task-evoked amygdala-prefrontal circuitry: a multiverse approach with an accelerated longitudinal cohort aged 4-22 years. *Human Brain Mapping*, 43, 3221-3244. <https://doi.org/10.1002/hbm.25847>

Boer, M., Stevens, G. W. J. M., Finkenauer, C., & van den Eijnden, R. J. J. M. (2022). The course of problematic social media use in young adolescents: A latent class growth analysis. *Child development* , 93 (2), e168–e187. <https://doi.org/10.1111/cdev.13712>

Boer, M., Stevens, G. W. J. M., Finkenauer, C., de Looze, M. E., & van den Eijnden, R. J. J. M. (2021). Social media use intensity, social media use problems, and mental health among adolescents: Investigating directionality and mediating processes. *Computers in Human Behavior*, 116, Article 106645. <https://doi.org/10.1016/j.chb.2020.106645>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Child Development</i>	Boer	Stevens, Finkenauer, & van den Eijnden
2019	<i>Child Development</i>	Boer, M.	Stevens, G., Finkenauer, C., & Eijnden, R.
2020	<i>Journal of Adolescent Health</i>	Boer, M.	van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M.
2020	<i>Journal of Adolescent Health</i>	Boer, van den Eijnden	Boniel-Nissim, Wong, Inchley, Badura, Craig, Gobina, Kleszczewska, Klanscek, Stevens
2022	<i>Child Development</i>	Boer	Stevens, Finkenauer, van den Eijnden
2019	<i>JAMA Pediatrics</i>	Boers	Afzali, Newton, & Conrod

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality
Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality
Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries
Adolescents' intense and problematic social media use and their well-being in 29 countries
The course of problematic social media use in young adolescents: A latent class growth analysis
Association of Screen Time and Depression in Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Boer, M., Stevens, G., Finkenauer, C., & Eijnden, R. (2019). Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality. *Child Development*, 91 (4), e853–e865. <https://doi.org/10.1111/cdev.13334>

Boer, M., Stevens, G., Finkenauer, C., & Eijnden, R. (2019). Attention Deficit Hyperactivity Disorder-Symptoms, Social Media Use Intensity, and Social Media Use Problems in Adolescents: Investigating Directionality. *Child Development*, 91(4), e853–e865. <https://doi.org/10.1111/cdev.13334>

Boer, M., van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M. (2020). Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries. *Journal of Adolescent Health*, 66(6), S89–S99. <https://doi.org/10.1016/j.jadohealth.2020.02.014>

Boer, M., van den Eijnden, R. J. J. M., Boniel-Nissim, M., Wong, S.-L., Inchley, J. C., Badura, P., Craig, W. M., Gobina, I., Kleszczewska, D., Klanšček, H. J., & Stevens, G. W. J. M. (2020). Adolescents' Intense and Problematic Social Media Use and Their Well-Being in 29 Countries. *Journal of Adolescent Health*, 66 (6), S89–S99. <https://doi.org/10.1016/j.jadohealth.2020.02.014>

Boer, M., Stevens, G. W. J. M., Finkenauer, C., & van den Eijnden, R. J. J. M. (2022). The course of problematic social media use in young adolescents: A latent class growth analysis. *Child Development*, 93, e168–e187. <https://doi.org/10.1111/cdev.13712>

Boers, E., Afzali, M. H., Newton, N., & Conrod, P. (2019). Association of Screen Time and Depression in Adolescence. *JAMA pediatrics*, 173 (9), 853–859. <https://doi.org/10.1001/jamapediatrics.2019.1759>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>BMC Medical Research Methodology</i>	Bonevski, B.	Randell, M., Paul, C., Chapman, K., Twyman, L., Bryant, J., Brozek, I., & Hughes, C.
2024	<i>Body Image</i>	Bonfanti, R. C.	Melchiori, F., Teti, A., Albano, G., Raffard, S., Rodgers, R., & Lo Coco, G.
2023	<i>Sleep Health</i>	Boniel-Nissim	Tynjala, Gobina, Furstova, van den Eijnden, Marino, Klanscek, Klavina-Makrecka, Villerusa, Lahti, Vieno, Wong, Villberg, Inchley, Garipey
2021	<i>Computers in Human Behavior</i>	Boniel-Nissim	van den Eijnden, Furstova, Marino, Lahti, Inchley, Smigelskas, Vieno, Badura
2023	<i>Health Psychology and Behavioral Medicine</i>	Bonsaksen	Ruggolo, Price, Leung, Thygesen, Lamph, Kabelenga, Geirdal
2018	<i>BMC Public Health</i>	Booker	Kelly, & Sacker

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Reaching the hard-to-reach: a systematic review of strategies for improving health and medical research with socially disadvantaged groups
The association between social comparison in social media, body image concerns and eating disorder symptoms: A systematic review and meta-analysis
Adolescent use of social media and associations with sleep patterns across 18 European and North American countries
International perspectives on social media use among adolescents: Implications for mental and social well-being and substance use
Associations between social media use and loneliness in a cross-national population: do motives for social media use matter
Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Bonevski, B., Randell, M., Paul, C., Chapman, K., Twyman, L., Bryant, J., Brozek, I., & Hughes, C. (2014). Reaching the hard-to-reach: a systematic review of strategies for improving health and medical research with socially disadvantaged groups. *BMC Medical Research Methodology*, 14(1).
<https://doi.org/10.1186/1471-2288-14-42>

Bonfanti, R. C., Melchiori, F., Teti, A., Albano, G., Raffard, S., Rodgers, R., & Lo Coco, G. (2024). The association between social comparison in social media, body image concerns and eating disorder symptoms: A systematic review and meta-analysis. *Body Image*, 52, 101841. <https://doi.org/10.1016/j.bodyim.2024.101841>

Boniell-Nissim, M., Tynjälä, J., Gobiņa, I., Furstova, J., van den Eijnden, R. J. J. M., Marino, C., Klanšček, H. J., Klavina-Makrecka, S., Villeruša, A., Lahti, H., Vieno, A., Wong, S. L., Villberg, J., Inchley, J., & Gariépy, G. (2023). Adolescent use of social media and associations with sleep patterns across 18 european and north american countries. *Sleep Health*, 9(3).
<https://doi.org/10.1016/j.sleh.2023.01.005>

Boniell-Nissim, M., van den Eijnden, R. J. J. M., Furstova, J., Marino, C., Lahti, H., Inchley, J., Šmigelskas, K., Vieno, A., & Badura, P. (2021). International perspectives on social media use among adolescents: Implications for mental and social well-being and substance use. *Computers in Human Behavior*, 129(107144), 107144. <https://doi.org/10.1016/j.chb.2021.107144>

Bonsaksen, T., Ruffolo, M., Price, D., Leung, J., Thygesen, H., Lamph, G., ... Geirdal, A. Ø. (2023). Associations between social media use and loneliness in a cross-national population: do motives for social media use matter? *Health Psychology and Behavioral Medicine*, 11(1).
<https://doi.org/10.1080/21642850.2022.2158089>

Booker, C. L., Kelly, Y. J., & Sacker, A. (2018). Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK. *BMC Public Health*, 18(1). <https://doi.org/10.1186/s12889-018-5220-4>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>BMC Public Health</i>	Booker, C. L.	Kelly, Y. J. & Sacker, A.
2022	<i>Journal of Contemporary Psychotherapy</i>	Borgen	Domoff
2024	<i>Journal of Adolescent Health</i>	Borodovsky, J.T.	et. al.
2020	<i>Training, Language and Culture.</i>	Böttger H.	Költzsch D.
2019	<i>British Journal of Psychology</i>	Bowler	Bourke
2024	<i>International Journal of School & Educational Psychology</i>	Bozzato	Longobardi
2015	<i>Journal of Neuroscience</i>	Braams, B. R.	van Duijvenvoorde, A. C. K., Peper, J. S., & Crone, E. A.
2017	<i>Journal of Neuroscience</i>	Bradfield, L. A.	Balleine, B. W.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK
Developing Healthy Social Media Practices: An Outpatient Caregiver Adolescent Group Intervention
Longitudinal Use Patterns of Technology Subtypes During the Transition Into Early Adolescence: Results From the Adolescent Brain Cognitive Development Study.
The fear factor: Xenoglossophobia or how to overcome the anxiety of speaking foreign languages.
Facebook use and sleep quality: Light interacts with socially induced alertness
School climate and connectedness predict problematic smartphone and social media use in Italian adolescents
Longitudinal Changes in Adolescent Risk-Taking: A Comprehensive Study of Neural Responses to Rewards, Pubertal Development, and Risk-Taking Behavior
Thalamic Control of Dorsomedial Striatum Regulates Internal State to Guide Goal-Directed Action Selection

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Booker, C. L., Kelly, Y. J., & Sacker, A. (2018). Gender differences in the associations between age trends of social media interaction and well-being among 10-15 year olds in the UK. <i>BMC Public Health</i> , 18 (1). https://doi.org/10.1186/s12889-018-5220-4
Borgen, A. L., & Domoff, S. E. (2022). Developing Healthy Social Media Practices: An Outpatient Caregiver-Adolescent Group Intervention. <i>Journal of Contemporary Psychotherapy</i> . https://doi.org/10.1007/s10879-022-09559-2
Borodovsky, J.T., et. al. (2024). Longitudinal Use Patterns of Technology Subtypes During the Transition Into Early Adolescence: Results From the Adolescent Brain Cognitive Development Study. <i>Journal of Adolescent Health</i> , 75(5). https://doi.org/10.1016/j.jadohealth.2024.06.020 .
Böttger H, Költzsch D. The fear factor: Xenoglossophobia or how to overcome the anxiety of speaking foreign languages. <i>Training, Language and Culture</i> , 4(2), 43-55. 2020.
Bowler, J., & Bourke, P. (2019). Facebook use and sleep quality: Light interacts with socially induced alertness. <i>British journal of psychology (London, England : 1953)</i> , 110 (3), 519–529. https://doi.org/10.1111/bjop.12351
Bozzato, P., & Longobardi, C. (2024). School climate and connectedness predict problematic smartphone and social media use in Italian adolescents. <i>International Journal of School & Educational Psychology</i> , 12 (2), 83–95. https://doi.org/10.1080/21683603.2024.2328833
Braams, B. R., van Duijvenvoorde, A. C. K., Peper, J. S., & Crone, E. A. (2015). Longitudinal Changes in Adolescent Risk-Taking: A Comprehensive Study of Neural Responses to Rewards, Pubertal Development, and Risk-Taking Behavior. <i>Journal of Neuroscience</i> , 35(18), 7226–7238. https://doi.org/10.1523/jneurosci.4764-14.2015
Bradfield, L. A., & Balleine, B. W. (2017). Thalamic Control of Dorsomedial Striatum Regulates Internal State to Guide Goal-Directed Action Selection. <i>Journal of Neuroscience</i> , 37(13), 3721–3733. https://doi.org/10.1523/JNEUROSCI.3860-16.2017

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>American Economic Review</i>	Braghieri	Levy, Makarin
2020	<i>Cyberpsychol Behav Soc Netw.</i>	Brailovskaia J.	Teismann T, Margraf J.
2019	<i>Personality and Individual Differences</i>	Brailovskaia	Margraf
2023	<i>Behaviour & Information Technology</i>	Brailovskaia, J.	Becherer, I., Wicker, V., Schillack, H., & Margraf, J.
2020	<i>Computers in Human Behavior</i>	Brailovskaia, J.	Ströse, F., Schillack, H., & Margraf, J.
2020	<i>Computers in Human Behavior</i>	Brailovskaia, J.	Ströse, F., Schillack, H., & Margraf, J.
2022	<i>Journal of Public Health</i>	Brailovskaia, J.	Swarlik, V. J., Grethe, G. A., Schillack, H., & Margraf, J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle

Social Media and Mental Health

Positive Mental Health Mediates the Relationship Between Facebook Addiction Disorder and Suicide-Related Outcomes: A Longitudinal Approach.

I present myself and have a lot of Facebook-friends– Am I a happy narcissist!?

Less social media use – more satisfied, work-engaged and mentally healthy employees: an experimental intervention study

Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention stud

Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study

Experimental longitudinal evidence for causal role of social media use and physical activity in COVID-19 burden and mental health

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Braghieri, L., Levy, R., & Makarin, A. (2022). Social media and mental health. <i>American Economic Review</i> , 112 (11), 3660–3693. https://doi.org/10.1257/aer.20211218
Brailovskaia J, Teismann T, Margraf J. Positive Mental Health Mediates the Relationship Between Facebook Addiction Disorder and Suicide-Related Outcomes: A Longitudinal Approach. <i>Cyberpsychol Behav Soc Netw</i> . 2020 May;23(5):346-350.
Brailovskaia, J., & Margraf, J. (2019). I present myself and have a lot of Facebook-friends – Am I a happy narcissist!? <i>Personality and Individual Differences</i> , 148 , 11–16. https://doi.org/10.1016/j.paid.2019.05.022
Brailovskaia, J., Becherer, I., Wicker, V., Schillack, H., & Margraf, J. (2023). Less social media use – more satisfied, work-engaged and mentally healthy employees: an experimental intervention study. <i>Behaviour & Information Technology</i> , 43 (15), 3737–3749. https://doi.org/10.1080/0144929X.2023.2286529
Brailovskaia, J., Ströse, F., Schillack, H., & Margraf, J. (2020). Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study. <i>Computers in Human Behavior</i> , 108 , 106332. https://doi.org/10.1016/j.chb.2020.106332
Brailovskaia, J., Ströse, F., Schillack, H., & Margraf, J. (2020). Less Facebook use – More well-being and a healthier lifestyle? An experimental intervention study. <i>Computers in Human Behavior</i> , 108 , 106332. https://doi.org/10.1016/j.chb.2020.106332
Brailovskaia, J., Swarlik, V. J., Grethe, G. A., Schillack, H., & Margraf, J. (2022). Experimental longitudinal evidence for causal role of social media use and physical activity in COVID-19 burden and mental health. <i>Journal of Public Health</i> , 31 . https://doi.org/10.1007/s10389-022-01751-x

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2011	<i>International Journal of General Medicine</i>	Brand, S.	Kirov, R.
2024	<i>Affective Science</i>	Brandao	Denny
2022	<i>Social Psychiatry and Psychiatric Epidemiology</i>	Brannigan	Cronin, McEvoy, Stainstreet, Layte
2024	<i>Body Image</i>	Brasil	Mims, Pritchard, McDermott
2023	<i>Sleep Medicine Reviews</i>	Brautsch	Lund, Andersen, Jennum, Folker, Andersen
2022	<i>Sleep Medicine Reviews</i>	Brautsch, L. AS.	Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S.
2023	<i>Psychology of Popular Media</i>	Breves	Paryschew, & Stein

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Sleep and its importance in adolescence and in common adolescent somatic and psychiatric conditions
What Instagram Means to Me: Links Between Social Anxiety, Instagram Contingent Self-worth, and Automated Textual Analysis of Linguistic Authenticity
Verification of the Goldilocks Hypothesis: the association between screen use, digital media and psychiatric symptoms in the Growing Up in Ireland study
Social media and body image: Relationships between social media appearance preoccupation, self-objectification, and body image
Digital media use and sleep in late adolescence and young adulthood: A systematic review
Digital media use and sleep in late adolescence and young adulthood: A systematic review
Be Positive? The Interplay of Instagram Influencers' Body Type and Favorable User Comments on Young Women's Perceptions, Affective Well-Being, and Exercise Intentions

Literature Review - APA Publication Cite

Brand, S., & Kirov, R. (2011). Sleep and its importance in adolescence and in common adolescent somatic and psychiatric conditions. *International Journal of General Medicine* , 4 (2011), 425. <https://doi.org/10.2147/ijgm.s11557>

Brandao, B. M., & Denny, B. T. (2024). What Instagram Means to Me: Links Between Social Anxiety, Instagram Contingent Self-worth, and Automated Textual Analysis of Linguistic Authenticity. *Affective Science* . <https://doi.org/10.1007/s42761-024-00267-9>

Brannigan, R., Cronin, F., McEvoy, O., Stanistreet, D., & Layte, R. (2022). Verification of the Goldilocks Hypothesis: the association between screen use, digital media and psychiatric symptoms in the Growing Up in Ireland study. *Social Psychiatry and Psychiatric Epidemiology* , 58 . <https://doi.org/10.1007/s00127-022-02352-5>

Brasil, K. M., Mims, C. E., Pritchard, M. E., & McDermott, R. C. (2024). Social media and body image: Relationships between social media appearance preoccupation, self-objectification, and body image. *Body Image* , 51 (1), 101767–101767. <https://doi.org/10.1016/j.bodyim.2024.101767>

Brautsch, L. A., Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S. (2023). Digital media use and sleep in late adolescence and young adulthood: A systematic review. *Sleep medicine reviews* , 68 , 101742. <https://doi.org/10.1016/j.smr.2022.101742>

Brautsch, L. AS., Lund, L., Andersen, M. M., Jennum, P. J., Folker, A. P., & Andersen, S. (2022). Digital media use and sleep in late adolescence and young adulthood: A systematic review. *Sleep Medicine Reviews*, 68(101742), 101742. <https://doi.org/10.1016/j.smr.2022.101742>

Breves, P., Paryschew, L., & Stein, J. (2023). Be positive? The interplay of Instagram influencers' body type and favorable user comments on young women's perceptions, affective well-being, and exercise intentions. *Psychology of Popular Media* . <https://doi.org/10.1037/ppm0000499>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2009	<i>Neuron</i>	Bromberg-Martin, E. S.	Hikosaka, O.
2010	<i>Neuron</i>	Bromberg-Martin, E. S.	Matsumoto, M., & Hikosaka, O.
2013	<i>Trends in Cognitive Sciences</i>	Brooks, A. M.	Berns, G. S.
1993	<i>Gambling Behavior and Problem Gambling</i>	Brown, R.	N/A
2016	<i>Body Image</i>	Brown	Tiggemann
2016	<i>Body Image</i>	Brown, Z.	Tiggemann, M.
2020	<i>Body Image</i>	Brown	Tiggemann
2019	<i>Journal of Adolescence</i>	Brunborg	Andreas

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Midbrain Dopamine Neurons Signal Preference for Advance Information about Upcoming Rewards
Dopamine in Motivational Control: Rewarding, Aversive, and Alerting
Aversive stimuli and loss in the mesocorticolimbic dopamine system
Some contributions of the study of gambling to the study of other addictions
Attractive celebrity and peer images on Instagram: Effect on women's mood and body image
Attractive celebrity and peer images on Instagram: Effect on women's mood and body image
A picture is worth a thousand words: The effect of viewing celebrityInstagram images with disclaimer and body positive captions onwomen's body image
Increase in time spent on social media is associated with modest increase in depression, conduct problems, and episodic heavy drinking

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Bromberg-Martin, E. S., & Hikosaka, O. (2009). Midbrain Dopamine Neurons Signal Preference for Advance Information about Upcoming Rewards. *Neuron*, 63(1), 119–126.
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Brown, Z., & Tiggemann, M. (2016). Attractive celebrity and peer images on Instagram: Effect on women’s mood and body image. *Body Image*, 19(19), 37–43.
<https://doi.org/10.1016/j.bodyim.2016.08.007>

Brown, Z., & Tiggemann, M. (2016). Attractive celebrity and peer images on Instagram: Effect on women’s mood and body image. *Body Image*, 19(19), 37–43.
<https://doi.org/10.1016/j.bodyim.2016.08.007>

Brown, Z., & Tiggemann, M. (2020). A picture is worth a thousand words: The effect of viewing celebrity Instagram images with disclaimer and body positive captions on women’s body image. *Body Image*, 33(33), 190–198.
<https://doi.org/10.1016/j.bodyim.2020.03.003>

Brunborg, G. S., & Andreas, J..B. (2019). Increase in time spent on social media is associated with modest increase in depression, conduct problems, and episodic heavy drinking. *Journal of Adolescence*, 74(1), 201–209.
<https://doi.org/10.1016/j.adolescence.2019.06.013>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Journal of Clinical Child & Adolescent Psychology</i>	Burani, K.	Klawohn, J., Levinson, A. R., Klein, D. N., Nelson, B. D., & Hajcak, G.
2020	<i>Journal of Neurology & Neurophys.</i>	Burhan R.	Moradzadeh J.
2020	<i>Journal of Neurology & Neurophysiology</i>	Burhan, R.	Moradzadeh, J.,
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Burnell, K.	Kuther, T. L.
2023	<i>Journal of Youth and Adolescence</i>	Burnell, K.	Odgers, C. L.
2022	<i>Emerging Adulthood</i>	Burnell, K.	†Andrade, F. & Hoyle, R. H.
2023	<i>Developmental Psychology</i>	Burnell, K.	†Andrade, F. & Hoyle, R. H.
2024	<i>Journal of Child and Family Studies</i>	Burnell, K.	†Andrade, F., & Hoyle, R. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural Response to Rewards, Stress and Sleep Interact to Prospectively Predict Depressive Symptoms in Adolescent Girls
Neurotransmitter Dopamine (DA) and its Role in Development of Social Media Addiction.
Neurotransmitter Dopamine (DA) and its Role in the Development of Social Media Addiction
Predictors of mobile phone and social networking site dependency in adulthood
Examining trajectories of adolescents' technological impairment and psychological distress.
Emerging adults' exposure to and postings about substance use on social media: An observational study
Longitudinal and daily associations between adolescents' self-control and digital technology use
Exposure to peers' online postings about substances and adolescents' substance use: A longitudinal study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Burani, K., Klawohn, J., Levinson, A. R., Klein, D. N., Nelson, B. D., & Hajcak, G. (2021). Neural Response to Rewards, Stress and Sleep Interact to Prospectively Predict Depressive Symptoms in Adolescent Girls. <i>Journal of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53</i> , 50 (1), 131–140. https://doi.org/10.1080/15374416.2019.1630834
Burhan (2020) Neurotransmitter Dopamine (DA) and its Role in Development of Social Media Addiction. <i>Journal of Neurology & Neurophys</i> , Vol 11 Iss 7, 507. 2020.
Burhan, R. & Moradzadeh, J., (2020). Neurotransmitter Dopamine (DA) and its Role in the Development of Social Media Addiction, <i>Journal of Neurology & Neurophysiology</i> , 11(7),507
Burnell, K. & Kuther, T. L. (2016). Predictors of mobile phone and social networking site dependency in adulthood. <i>Cyberpsychology, Behavior, and Social Networking</i> , 19, 621-627.
Burnell, K., & Odgers, C. L. (2023). Examining trajectories of adolescents’ technological impairment and psychological distress. <i>Journal of Youth and Adolescence</i> , 52 , 258-272.
Burnell, K., †Andrade, F., & Hoyle, R. H. (2022). Emerging adults’ exposure to and postings about substance use on social media: An observational study. <i>Emerging Adulthood</i> , 10 , 1395-1408.
Burnell, K., †Andrade, F., & Hoyle, R. H. (2023). Longitudinal and daily associations between adolescents’ self-control and digital technology use. <i>Developmental Psychology</i> , 59 , 720-732.
Burnell, K., †Andrade, F., & Hoyle, R. H. (2024). Exposure to peers’ online postings about substances and adolescents’ substance use: A longitudinal study. <i>Journal of Child and Family Studies</i> , 33 , 3854-3867.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Family Psychology</i>	Burnell, K.	†Andrade, F., Kwiatek, S. M., & Hoyle, R. H.
2024	<i>Current Treatment Options in Psychiatry</i>	Burnell, K.	†Fox, K. A., Maheux, A. J., & Prinstein, M. J.
2025	<i>Body Image</i>	Burnell, K.	†Traver, J. M, & Maheux, A. J.
2020	<i>Journal of Research in Personality</i>	Burnell, K.	Ackerman, R. A., Meter, D. J., Ehrenreich, S. E., & Underwood, M. K.
2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H.
2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H.
2025	<i>Journal of Children and Media</i>	Burnell, K.	Flannery, J.S†., Fox, K.A†., Prinstein, M.J., & Telzer. E.H.
2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.
2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Digital location tracking: A preliminary investigation of parents' use of digital technology to monitor their adolescent's location
Social media use and mental health: A review of the experimental literature and implications for clinicians
Longitudinal associations between appearance evaluation during video chat and body image concerns: A test of the "Perfect Storm" framework
Self-absorbed and socially (network) engaged: Narcissistic traits and social networking site use
U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use
U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use
U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use
Daily links between objective smartphone use and sleep among adolescents
Daily links between objective smartphone use and sleep among adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Burnell, K., †Andrade, F., Kwiatek, S. M., & Hoyle, R. H. (2023). Digital location tracking: A preliminary investigation of parents' use of digital technology to monitor their adolescent's location. <i>Journal of Family Psychology</i> , 37 , 561-567.
Burnell, K., †Fox, K. A., Maheux, A. J., & Prinstein, M. J. (2024). Social media use and mental health: A review of the experimental literature and implications for clinicians. <i>Current Treatment Options in Psychiatry</i> , 11 , 1-16.
Burnell, K., †Traver, J. M, & Maheux, A. J. (2025). Longitudinal associations between appearance evaluation during video chat and body image concerns: A test of the "Perfect Storm" framework. <i>Body Image</i> , 52 , 101856.
Burnell, K., Ackerman, R. A., Meter, D. J., Ehrenreich, S. E., & Underwood, M. K. (2020). Self-absorbed and socially (network) engaged: Narcissistic traits and social networking site use. <i>Journal of Research in Personality</i> , 84 , 103898.
Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. <i>Journal of Children and Media</i> , 19 , 194-212.
Burnell, K., Flannery, J. S., Fox, K. A., Prinstein, M. J., & Telzer, E. H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. <i>Journal of Children and Media</i> , 19 (1), 194–212. https://doi.org/10.1080/17482798.2024.2402272
Burnell, K., Flannery, J.S†., Fox, K.A†., Prinstein, M.J., & Telzer, E.H. (2025). U.S. adolescents' daily social media use and well-being: Exploring the role of addiction-like social media use. <i>Journal of Children and Media</i> , 19, 194-212. https://doi.org/10.1080/17482798.2024.2402272
Burnell, K., Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2024). Daily links between objective smartphone use and sleep among adolescents. <i>Journal of Adolescence</i> , 96 , 1171-1181.
Burnell, K., Garrett, S. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2024). Daily links between objective smartphone use and sleep among adolescents. <i>Journal of Adolescence</i> . https://doi.org/10.1002/jad.12326

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Journal of Adolescence</i>	Burnell, K.	Garrett, S.L†., Nelson, B.W., Prinstein, M.J., & Telzer, E.H.
2020	<i>Frontiers in Human Dynamics (Special Issue: Digital Media and Social Connection in the Lives of Children, Adolescents and Families)</i>	Burnell, K.	George, M. J. & Underwood, M. K.
2020	<i>Frontiers in Human Dynamics</i>	Burnell, K.	George, M. J., & Underwood, M. K.
2021	<i>Journal of Adolescent Health</i>	Burnell	George, Jensen, Hoyle, & Odgers
2022	<i>Journal of Adolescent Health</i>	Burnell, K.	George, M. J., Jensen, M., Hoyle, R. H., & Odgers, C. L.
2021	<i>Psychology of Popular Media</i>	Burnell, K.	George, M. J., Kurup, A. R., & Underwood, M. K.
2021	<i>Psychology of Popular Media</i>	Burnell, K.	George, M. J., Kurup, A. R., & Underwood, M. K.
2021	<i>Communication Methods and Measures</i>	Burnell, K.	George, M. J., Kurup, A. R., Underwood, M. K., & Ackerman, R. A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Daily links between objective smartphone use and sleep among adolescents
Browsing different Instagram profiles and associations with psychological well-being
Browsing Different Instagram Profiles and Associations With Psychological Well-Being
Associations Between Adolescents' Daily Digital Technology Use and Sleep
Associations between adolescents' daily digital technology use and sleep
"Ur a freakin goddess!": Examining appearance commentary on Instagram
"Ur a freakin goddess!": Examining appearance commentary on Instagram
Associations between self-reports and device-reports of social networking site use: An application of the Truth and Bias Model

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Burnell, K., Garrett, S.L†., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (2024). Daily links between objective smartphone use and sleep among adolescents. <i>Journal of Adolescence</i> , 96, 1171-1181. https://doi.org/10.1002/jad.12326
Burnell, K., George, M. J., & Underwood, M. K. (2020). Browsing different Instagram profiles and associations with psychological well-being. <i>Frontiers in Human Dynamics (Special Issue: Digital Media and Social Connection in the Lives of Children, Adolescents and Families)</i> , 2, 585518.
Burnell, K., George, M. J., & Underwood, M. K. (2020). Browsing Different Instagram Profiles and Associations With Psychological Well-Being. <i>Frontiers in Human Dynamics</i> , 2 . https://doi.org/10.3389/fhumd.2020.585518
Burnell, K., George, M. J., Jensen, M., Hoyle, R. H., & Odgers, C. L. (2021). Associations Between Adolescents’ Daily Digital Technology Use and Sleep. <i>Journal of Adolescent Health</i> , 0 (0). https://doi.org/10.1016/j.jadohealth.2021.09.033
Burnell, K., George, M. J., Jensen, M., Hoyle, R. H., & Odgers, C. L. (2022). Associations between adolescents’ daily digital technology use and sleep. <i>Journal of Adolescent Health</i> , 70 , 450-456.
Burnell, K., George, M. J., Kurup, A. R., & Underwood, M. K. (2021). “Ur a freakin goddess!”: Examining appearance commentary on Instagram. <i>Psychology of Popular Media</i> , 10 , 422-433.
Burnell, K., George, M. J., Kurup, A. R., & Underwood, M. K. (2021). “Ur a freakin goddess!”: Examining appearance commentary on Instagram. <i>Psychology of Popular Media</i> , 10(4), 422–433. https://doi.org/10.1037/ppm0000341
<i>Burnell, K., George, M. J., Kurup, A. R., Underwood, M. K., & Ackerman, R. A. (2021) Associations between self-reports and device-reports of social networking site use: An application of the Truth and Bias Model. Communication Methods and Measures, 15, 156-163.</i>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>	Burnell, K.	George, M. J., Vollet, J. W., Ehrenreich, S. E., & Underwood, M. K.
2022	<i>New Media & Society</i>	Burnell, K.	Kurup, A. R. & Underwood, M. K.
2021	<i>Human Behavior and Emerging Technologies</i>	Burnell, K.	Kurup, A. R., Vollet, J. W., & Underwood, M. K.
2021	<i>Substance Use & Misuse</i>	Burnell, K.	Kwiatek, S. M. & Hoyle, R. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M. J., & Telzer, E. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M. J., & Telzer, E. H.
2024	<i>Affective Science</i>	Burnell, K.	Trekels, J., Prinstein, M.J., & Telzer, E.H.
2017	<i>Body Image</i>	Burnette	Kwitowski, Mazzeo

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Passive social networking site use and well-being: The mediating roles of social comparison and the fear of missing out
Snapchat lenses and body image concerns
“So you think I’m cute?”: An observational study of adolescents’ appearance evaluation in text messaging
Are exclusive e-cigarette users unique? Comparing predictors of exclusive e-cigarette use to traditional tobacco use among U.S. adolescents
Adolescents’ social comparison on social media: Links with momentary self-evaluations
Adolescents’ Social Comparison on Social Media: Links with Momentary Self-Evaluations
Adolescents’ social comparison on social media: Links with momentary self-evaluations
“I don’t need people to tell me I’m pretty on social media:” Aqualitative study of social media and body image in early adolescent girls

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Burnell, K., George, M. J., Vollet, J. W., Ehrenreich, S. E., & Underwood, M. K. (2019). Passive social networking site use and well-being: The mediating roles of social comparison and the fear of missing out. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 13, 1-14.

Burnell, K., Kurup, A. R., & Underwood, M. K. (2022). Snapchat lenses and body image concerns. *New Media & Society*, 24 . 2088-2106.

Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K. (2021). “So you think I’m cute?”: An observational study of adolescents’ appearance evaluation in text messaging. *Human Behavior and Emerging Technologies* , 3 , 798-810.

Burnell, K., Kwiatek, S. M., & Hoyle, R. H. (2021). Are exclusive e-cigarette users unique? Comparing predictors of exclusive e-cigarette use to traditional tobacco use among U.S. adolescents. *Substance Use & Misuse*, 56 , 905-910.

Burnell, K., Trekels, J., Prinstein, M. J., & Telzer, E. H. (2024). Adolescents’ social comparison on social media: Links with momentary self-evaluations. *Affective Science* , 5 , 295-299.

Burnell, K., Trekels, J., Prinstein, M. J., & Telzer, E. H. (2024). Adolescents’ Social Comparison on Social Media: Links with Momentary Self-Evaluations. *Affective Science* .
<https://doi.org/10.1007/s42761-024-00240-6>

Burnell, K., Trekels, J., Prinstein, M.J., & Telzer, E.H. (2024). Adolescents’ social comparison on social media: Links with momentary self-evaluations. *Affective Science*, 5, 295–299. <https://doi.org/10.1007/s42761-024-00240-6>

Burnette, C. B., Kwitowski, M. A., & Mazzeo, S. E. (2017). “I don’t need people to tell me I’m pretty on social media:” A qualitative study of social media and body image in early adolescent girls. *Body Image* , 23 (1), 114–125.
<https://doi.org/10.1016/j.bodyim.2017.09.001>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Body Image</i>	Burnette, C. B.	Kwitowski, M. A. & Mazzeo, S. E.
2017	<i>Journal of Experimental Social Psychology</i>	Burrow	Rainone
2019	<i>Sex Roles</i>	Butkowski	Dixon, Weeks
2022	<i>Computers in Human Behavior</i>	Buttner	Rudert
2013	<i>Nature reviews Neuroscience</i>	Button, K. S.	Ioannidis, J. P., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S., & Munafò, M. R.
2024	<i>Psychology of Popular Media</i>	Byrne	Yedigarian, Lauritzen, Choi, Pak, Fischer
2018	<i>Developmental Cognitive Neuroscience</i>	Cai, L.	Dong, Q. & Niu, H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
“I don’t need people to tell me I’m pretty on social media:” A qualitative study of social media and body image in early adolescent girls
How many likes did I get?: Purpose moderates links between positive social media feedback and self-esteem.
Body Surveillance on Instagram: Examining the Role of Selfie Feedback Investment in Young Adult Women’s Body Image Concerns
Why didn’t you tag me?!: Social exclusion from Instagram posts hurts, especially those with a high need to belong
Power failure: why small sample size undermines the reliability of neuroscience
The Association Between Social Media Use and Body Dissatisfaction: Exploring a Potential Mechanism of Action in an Experimental Design
The development of functional network organization in early childhood and early adolescence: A resting-state fNIRS study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Burnette, C. B., Kwitowski, M. A., & Mazzeo, S. E. (2017). "I don't need people to tell me I'm pretty on social media:" A qualitative study of social media and body image in early adolescent girls. *Body Image* , 23(1), 114–125.
<https://doi.org/10.1016/j.bodyim.2017.09.001>

Burrow, A. L., & Rainone, N. (2017). How many likes did I get?: Purpose moderates links between positive social media feedback and self-esteem. *Journal of Experimental Social Psychology* , 69 (69), 232–236.
<https://doi.org/10.1016/j.jesp.2016.09.005>

Butkowski, C.P., Dixon, T.L. & Weeks, K. (2019). Body Surveillance on Instagram: Examining the Role of Selfie Feedback Investment in Young Adult Women's Body Image Concerns. *Sex Roles*, 81, 385–397. <https://doi.org/10.1007/s11199-018-0993-6>

Büttner, C. M., & Rudert, S. C. (2022). Why didn't you tag me?!: Social exclusion from Instagram posts hurts, especially those with a high need to belong. *Computers in Human Behavior* , 127 (107062), 107062.
<https://doi.org/10.1016/j.chb.2021.107062>

Button, K. S., Ioannidis, J. P., Mokrysz, C., Nosek, B. A., Flint, J., Robinson, E. S., & Munafò, M. R. (2013). Power failure: why small sample size undermines the reliability of neuroscience. *Nature reviews. Neuroscience*, 14(5), 365–376.
<https://doi.org/10.1038/nrn3475>

Byrne, C., Yedigarian, S., Lauritzen, H. C., Choi, L., Pak, K. N., & Fischer, S. (2024). The association between social media use and body dissatisfaction: Exploring a potential mechanism of action in an experimental design. *Psychology of Popular Media*, 13(3), 324–330. <https://doi.org/10.1037/ppm0000480>

Cai, L., Dong, Q., & Niu, H. (2018). The development of functional network organization in early childhood and early adolescence: A resting-state fNIRS study. *Developmental Cognitive Neuroscience* , 30 , 223–235.
<https://doi.org/10.1016/j.dcn.2018.03.003>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Nature</i>	Cai, X.	Liu, C., Tsutsui-Kimura, I., Lee, J.-H., Guo, C., Banerjee, A., Lee, J., Amo, R., Xie, Y., Patriarchi, T., Li, Y., Watabe-Uchida, M., Uchida, N., & Kaeser, P. S.
2020	<i>Development and Psychopathology</i>	Callaghan, B.L.	Fields, A. Gabard-Durnam, L., Gee, D.G., Caldera, C., Humphreys, K.L., Goff, B., Flannery, J., Telzer, E.H., Shapiro, M., & Tottenham N.
2019	<i>Biological Psychiatry</i>	Callaghan, B.L.	Gee, D.G., Gabard-Durnam, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C. & Tottenham N.
2024	<i>Journal of Psychologists and Counsellors in Schools</i>	Campbell, M.	Edwards, E. J., Pennell, D., Poed, S., Lister, V., Gillett-Swan, J., Kelly, A., Zec, D., & Nguyen, T.-A.
2024	<i>Developmental Cognitive Neuroscience</i>	Capella, J†.	Telzer, E.H.
2023	<i>Developmental Cognitive Neuroscience</i>	Capella, J†.	Jorgenson, N.A†., Kwon, S†., Maza, M.T†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Dopamine dynamics are dispensable for movement but promote reward responses
Mind and gut: Associations between mood and gastrointestinal distress in children exposed to adversity
Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3-years
Evidence for and against banning mobile phones in schools: A scoping review
A framework for integrating neural development and social networks in adolescence
Adolescents' neural sensitivity to high and low popularity: Longitudinal links to risk-taking and prosocial behavior

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Cai, X., Liu, C., Tsutsui-Kimura, I., Lee, J.-H., Guo, C., Banerjee, A., Lee, J., Amo, R., Xie, Y., Patriarchi, T., Li, Y., Watabe-Uchida, M., Uchida, N., & Kaeser, P. S. (2024). Dopamine dynamics are dispensable for movement but promote reward responses. *Nature*, 1–9. <https://doi.org/10.1038/s41586-024-08038-z>

Callaghan, B.L., Fields, A. Gabard-Durnam, L., Gee, D.G., Caldera, C., Humphreys, K.L., Goff, B., Flannery, J., Telzer, E.H., Shapiro, M., & Tottenham N. (2020). Mind and gut: Associations between mood and gastrointestinal distress in children exposed to adversity. *Development and Psychopathology* , 32, 309-328. <https://doi.org/10.1017/S0954579419000087>

Callaghan, B.L., Gee, D.G., Gabard-Durnam, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Lumian, D.S., Fareri, D.S., Caldera, C. & Tottenham N. (2019). Decreased amygdala reactivity to parent cues protects against anxiety following early adversity: an examination across 3-years. *Biological Psychiatry* , 4, 664-671. <https://doi.org/10.1016/j.bpsc.2019.02.001>

Campbell, M., Edwards, E. J., Pennell, D., Poed, S., Lister, V., Gillett-Swan, J., Kelly, A., Zec, D., & Nguyen, T.-A. (2024). Evidence for and against banning mobile phones in schools: A scoping review. *Journal of Psychologists and Counsellors in Schools* , 34(3). <https://doi.org/10.1177/20556365241270394>

Capella, J†. & Telzer, E.H. (2024). A framework for integrating neural development and social networks in adolescence. *Developmental Cognitive Neuroscience*, 69, 101442. <https://doi.org/10.1016/j.dcn.2024.101442>.

Capella, J†., Jorgenson, N.A†., Kwon, S†., Maza, M.T†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2023). Adolescents' neural sensitivity to high and low popularity: Longitudinal links to risk-taking and prosocial behavior. *Developmental Cognitive Neuroscience*, 63, 101290. <https://doi.org/10.1016/j.dcn.2023.101290>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>Body Image</i>	Carey, R. N.	Donaghue, N. & Broderick, P.
2022	<i>Body Image</i>	Carter	Vartanian
2019	<i>The Lancet</i>	Carvalho, A. F.	Heilig, M., Perez, A., Probst, C., & Rehm, J.
2019	<i>Current Psychology</i>	Casale	Gemelli, Calosi, Giangrasso, Gioravanti
2015	<i>Annual Review of Psychology</i>	Casey, B. J.	N/A
2025	<i>Annals of the New York Academy of Sciences</i>	Casey, B. J.	Cohen, A. O., & Galvan, A.
2010	<i>Neuron</i>	Casey, B. J.	Duhoux, S., & Cohen, M. M.
2019	<i>Neuroscience Letters</i>	Casey, B. J.	Heller, A. S., Gee, D. G., & Cohen, A. O.
2022	<i>Annual Review of Criminology</i>	Casey, B. J.	Simmons, C., Somerville, L. H., & Baskin-Sommers, A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Body image concern among Australian adolescent girls: The role of body comparisons with models and peers
Self-concept clarity and appearance-based social comparison to idealized bodies
Alcohol use disorders
Multiple exposure to appearance-focused real accounts on Instagram: Effects on body image among both genders
Beyond Simple Models of Self-Control to Circuit-Based Accounts of Adolescent Behavior
The beautiful adolescent brain: An evolutionary developmental perspective
Adolescence: What Do Transmission, Transition, and Translation Have to Do with It?
Development of the emotional brain
Making the Sentencing Case: Psychological and Neuroscientific Evidence for Expanding the Age of Youthful Offenders

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Carey, R. N., Donaghue, N., & Broderick, P. (2014). Body image concern among Australian adolescent girls: The role of body comparisons with models and peers. <i>Body Image</i> , 11 (1), 81–84. https://doi.org/10.1016/j.bodyim.2013.09.006</p>
<p>Carter, J. J., & Vartanian, L. R. (2022). Self-concept clarity and appearance-based social comparison to idealized bodies. <i>Body Image</i> , 40 , 124–130. https://doi.org/10.1016/j.bodyim.2021.12.001</p>
<p>Carvalho, A. F., Heilig, M., Perez, A., Probst, C., & Rehm, J. (2019). Alcohol use disorders. <i>The Lancet</i>, 394(10200), 781–792. https://doi.org/10.1016/S0140-6736(19)31775-1</p>
<p>Casale, S., Gemelli, G., Calosi, C., Giangrasso, B., & Fioravanti, G. (2019). Multiple exposure to appearance-focused real accounts on Instagram: Effects on body image among both genders. <i>Current Psychology</i> , 40 (6). https://doi.org/10.1007/s12144-019-00229-6</p>
<p>Casey, B. J. (2015). Beyond Simple Models of Self-Control to Circuit-Based Accounts of Adolescent Behavior. <i>Annual Review of Psychology</i> , 66 (1), 295–319. https://doi.org/10.1146/annurev-psych-010814-015156</p>
<p>Casey, B. J., Cohen, A. O., & Galvan, A. (2025). The beautiful adolescent brain: An evolutionary developmental perspective. <i>Annals of the New York Academy of Sciences</i>, 1546(1), 58–74. https://doi.org/10.1111/nyas.15314</p>
<p>Casey, B. J., Duhoux, S., & Cohen, M. M. (2010). Adolescence: What Do Transmission, Transition, and Translation Have to Do with It? <i>Neuron</i>, 67(5), 749–760. https://doi.org/10.1016/j.neuron.2010.08.033</p>
<p>Casey, B. J., Heller, A. S., Gee, D. G., & Cohen, A. O. (2019). Development of the emotional brain. <i>Neuroscience Letters</i> , 693 , 29–34. https://doi.org/10.1016/j.neulet.2017.11.055</p>
<p>Casey, B. J., Simmons, C., Somerville, L. H., & Baskin-Sommers, A. (2022). Making the Sentencing Case: Psychological and Neuroscientific Evidence for Expanding the Age of Youthful Offenders. <i>Annual Review of Criminology</i> , 5(1), 321–343. https://doi.org/10.1146/annurev-cr-102020-112250</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1997	<i>Journal of Cognitive Neuroscience</i>	Casey, B. J.	Trainor, R. J., Orendi, J. L., Schubert, A. B., Nystrom, L. E., Giedd, J. N., Castellanos, F. X., Haxby, J. V., Noll, D. C., Cohen, J. D., Forman, S. D., Dahl, R. E., & Rapoport, J. L.
2006	<i>Nature reviews Neuroscience</i>	Caspi, A.	Moffitt, T. E.
2017	<i>Cultural Diversity and Ethnic Minority Psychology</i>	Causadias, J.	Telzer, E.H. & Lee, R.
2018	<i>Wiley Press</i>	Causadias, J.M.	Telzer, E.H. & Gonzales, N.A.
2018	<i>Wiley Press</i>	Causadias, J.M.	Telzer, E.H., & Gonzales, N.A. Eds.
2020	<i>International Journal of Eating Disorders</i>	Cavazos-Rehg	Fitzsimmons-Craft, Krauss, Anako, Xu, Kasson, Costello, Wilfley
2025	N/A	CDC	N/A
2022	<i>Stigma and Health</i>	Cha	Mayers, Stutts

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A Developmental Functional MRI Study of Prefrontal Activation during Performance of a Go-No-Go Task
Gene-environment interactions in psychiatry: joining forces with neuroscience
Culture biology interplay: An introduction
Introduction to culture and biology interplay (pgs. 465-488). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology
The Handbook of Culture and Biology.
Examining the self-reported advantages and disadvantages of socially networking about body image and eating disorders
Youth Risk Behavior Surveillance System
The Impact of Curvy Fitspiration and Fitspiration on Body Dissatisfaction, Negative Mood, and Weight Bias in Women

Literature Review - APA Publication Cite

Casey, B. J., Trainor, R. J., Orendi, J. L., Schubert, A. B., Nystrom, L. E., Giedd, J. N., Castellanos, F. X., Haxby, J. V., Noll, D. C., Cohen, J. D., Forman, S. D., Dahl, R. E., & Rapoport, J. L. (1997). A Developmental Functional MRI Study of Prefrontal Activation during Performance of a Go-No-Go Task. *Journal of Cognitive Neuroscience* , 9(6), 835–847. <https://doi.org/10.1162/jocn.1997.9.6.835>

Caspi, A., & Moffitt, T. E. (2006). Gene-environment interactions in psychiatry: joining forces with neuroscience. *Nature reviews. Neuroscience*, 7(7), 583–590. <https://doi.org/10.1038/nrn1925>

Causadias, J., Telzer, E.H., & Lee, R. (2017). Culture biology interplay: An introduction. *Cultural Diversity and Ethnic Minority Psychology* , 23, 1-4. <https://doi.org/10.1037/cdp0000121>

Causadias, J.M., Telzer, E.H., & Gonzales, N.A. (2018). Introduction to culture and biology interplay (pgs. 465-488). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>

Causadias, J.M., Telzer, E.H., & Gonzales, N.A. Eds. (2018). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>

Cavazos-Rehg, P. A., Fittsimmons-Craft, E. E., Krauss, M. J., Anako, N., Xu, C., Kasson, E., Costello, S. J., & Wilfley, D. E. (2020). Examining the self-reported advantages and disadvantages of socially networking about body image and eating disorders. *International Journal of Eating Disorders* , 53 (6), 852–863. <https://doi.org/10.1002/eat.23282>

CDC. (2025) Youth Risk Behavior Surveillance System (YRBSS) report

Cha, H. S., Mayers, J. A., & Stutts, L. A. (2022). The impact of curvy fitspiration and fitspiration on body dissatisfaction, negative mood, and weight bias in women. *Stigma and Health*, 7(2), 226–233. <https://doi.org/10.1037/sah0000367>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Computers in Human Behavior</i>	Chae	N/A
2023	<i>New Media & Society.</i>	Chansiri K.	Wongphothipphan T.
2021	<i>New Media & Society</i>	Chansiri	Wangphothipphan
2022	<i>Technology, Mind and Behavior</i>	Charmaraman	Lynch, Richer, & Zhai
2021	<i>Journal of Adolescent Health</i>	Charmaraman	Richer, Ben-Joseph, Klerman
2021	<i>Journal of Development Behavior Pediatrics</i>	Charmaraman	Richer, Liu, Lynch, Moreno
2022	<i>Frontiers in Psychology</i>	Chase	Brown, & Jensen

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Virtual makeover: Selfie-taking and social media use increase selfie-editing frequency through social comparison
The indirect effects of Instagram images on women's self-esteem: The moderating roles of BMI and perceived weight.
The indirect effects of Instagram images on women's self-esteem: The moderating roles of BMI and perceived weight
Examining early adolescent positive and negative social technology behaviors and well-being during the COVID-19 pandemic.
Quantity, Content, and Context Matter: Associations Among Social Technology Use and Sleep Habits in Early Adolescents
Early Adolescent Social Media–Related Body Dissatisfaction: Associations with Depressive Symptoms, Social Anxiety, Peers, and Celebrities
Emerging adults' digital technology engagement and mental health during the COVID-19 pandemic

Literature Review - APA Publication Cite

Chae, J. (2017). Virtual makeover: Selfie-taking and social media use increase selfie-editing frequency through social comparison. *Computers in Human Behavior*, 66 (66), 370–376. <https://doi.org/10.1016/j.chb.2016.10.007>

Chansiri K, Wongphothiphan T. (2023). The indirect effects of Instagram images on women’s self-esteem: The moderating roles of BMI and perceived weight. *New Media & Society*, 25(10), 2572-2594.

Chansiri, K., & Wongphothiphan, T. (2021). The indirect effects of Instagram images on women’s self-esteem: The moderating roles of BMI and perceived weight. *New Media & Society*, 25(10), 2572-2594. <https://doi.org/10.1177/14614448211029975>

Charmaraman, L., Lynch, A. D., Richer, A. M., & Zhai, E. (2022). Examining early adolescent positive and negative social technology behaviors and well-being during the COVID-19 pandemic. *Technology, Mind, and Behavior*, 3(1). <https://doi.org/10.1037/tmb0000062>

Charmaraman, L., Richer, A. M., Ben-Joseph, E. P., & Klerman, E. B. (2021). Quantity, Content, and Context Matter: Associations Among Social Technology Use and Sleep Habits in Early Adolescents. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine*, 69 (1), 162–165. <https://doi.org/10.1016/j.jadohealth.2020.09.035>

Charmaraman, L., Richer, A. M., Liu, C., Lynch, A. D., & Moreno, M. A. (2021). Early Adolescent Social Media-Related Body Dissatisfaction: Associations with Depressive Symptoms, Social Anxiety, Peers, and Celebrities. *Journal of developmental and behavioral pediatrics : JDBP*, 42 (5), 401–407. <https://doi.org/10.1097/DBP.0000000000000911>

Chase, G. E., Brown, M. T., & Jensen, M. (2022). Emerging adults’ digital technology engagement and mental health during the COVID-19 pandemic. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.1023514>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>The Journal of Consumer Affairs</i>	Chatzopoulou	Filieri, Dogruyol
2012	<i>Biological Psychiatry</i>	Cheetham, A.	Allen, N. B., Whittle, S., Simmons, J. G., Yücel, M., & Lubman, D. I.
2011	<i>Developmental Science</i>	Chein, J.	Albert, D., O'Brien, L., Uckert, K., & Steinberg, L.
2019	<i>JAMA Facial Plast Surg.</i>	Chen J.	Ishii M, Bater KL, Darrach H, Liao D, Huynh PP, Reh IP, Nellis JC, Kumar AR, Ishii LE.
2021	<i>In Computers & Education</i>	Chen, J.	Lin, C.-H., Chen, G.
2000	<i>European Journal of Pharmacology</i>	Chen, N.	Reith, M. E. A.
2020	<i>Developmental Psychology</i>	Chen, X [†] .	McCormick, E.M [†] ., Ravindran, N [†] ., McElwain, N., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Instagram and body image: Motivation to conform to the “Instabod” and consequences on young male wellbeing
Orbitofrontal Volumes in Early Adolescence Predict Initiation of Cannabis Use: A 4-Year Longitudinal and Prospective Study
Peers increase adolescent risk taking by enhancing activity in the brain’s reward circuitry
Association Between the Use of Social Media and Photograph Editing Applications, Self-esteem, and Cosmetic Surgery Acceptance.
A cross-cultural perspective on the relationships among social media use, self-regulated learning and adolescents’ digital reading literacy
Structure and function of the dopamine transporter
Maternal emotion socialization in early childhood predicts adolescents’ amygdala-vmPFC functional connectivity to emotion faces

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Chatzopoulou, E., Filieri, R., & Dogruyol, S. A. (2020). Instagram and body image: Motivation to conform to the “Instabod” and consequences on young male wellbeing. <i>Journal of Consumer Affairs</i> , 54 (4), 1270–1297. https://doi.org/10.1111/joca.12329</p>
<p>Cheetham, A., Allen, N. B., Whittle, S., Simmons, J. G., Yücel, M., & Lubman, D. I. (2012). Orbitofrontal Volumes in Early Adolescence Predict Initiation of Cannabis Use: A 4-Year Longitudinal and Prospective Study. <i>Biological Psychiatry</i> , 71(8), 684–692. https://doi.org/10.1016/j.biopsych.2011.10.029</p>
<p>Chein, J., Albert, D., O’Brien, L., Uckert, K., & Steinberg, L. (2011). Peers increase adolescent risk taking by enhancing activity in the brain’s reward circuitry. <i>Developmental Science</i> , 14 (2), F1–F10.</p>
<p>Chen J, Ishii M, Bater KL, Darrach H, Liao D, Huynh PP, Reh IP, Nellis JC, Kumar AR, Ishii LE. (2019). Association Between the Use of Social Media and Photograph Editing Applications, Self-esteem, and Cosmetic Surgery Acceptance. <i>JAMA Facial Plast Surg</i>, 21(5):361-367.</p>
<p>Chen, J., Lin, C.-H., & Chen, G. (2021). A cross-cultural perspective on the relationships among social media use, self-regulated learning and adolescents’ digital reading literacy. In <i>Computers & Education</i> (Vol. 175, p. 104322). Elsevier BV. https://doi.org/10.1016/j.compedu.2021.104322</p>
<p>Chen, N., & Reith, M. E. A. (2000). Structure and function of the dopamine transporter. <i>European Journal of Pharmacology</i>, 405(1–3), 329–339. https://doi.org/10.1016/S0014-2999(00)00563-X</p>
<p>Chen, X†., McCormick, E.M†., Ravindran, N†., McElwain, N., & Telzer, E.H. (2020). Maternal emotion socialization in early childhood predicts adolescents’ amygdala-vmPFC functional connectivity to emotion faces. <i>Developmental Psychology</i> , 56(3), 503–515. https://doi.org/10.1037/dev0000852. Special issue on Parental socialization on emotion and self-regulation: Understanding processes and application.</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Addictive Behaviors</i>	Cheng, C.	Lau, Y., Chan, L., & Luk, J. W.
2020	<i>Healthline.</i>	Cherney, K.	N/A
2008	<i>Neuron</i>	Chiu, P. H.	Kayali, M. A., Kishida, K. T., Tomlin, D., Klinger, L. G., Klinger, M. R., & Montague, P. R.
2020	<i>Unicef Office of Global Insight and Policy</i>	Cho A.	Byrne, J.
2017	<i>Neuron</i>	Cho, J. R.	Treweek, J. B., Robinson, J. E., Xiao, C., Bremner, L. R., Greenbaum, A., & Gradinaru, V.
2012	<i>Cyberpsychology, Behavior, and Social Networking</i>	Chou, H.-T. G.	Edge, N.
2006	<i>Social Cognitive and Affective Neuroscience</i>	Choudhury, S.	Blakemore, S.-J. & Charman, T.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Prevalence of social media addiction across 32 nations: Meta-analysis with subgroup analysis of classification schemes and cultural values.
Social Media Addiction: What It Is and What to Do About It.
Self Responses along Cingulate Cortex Reveal Quantitative Neural Phenotype for High-Functioning Autism.
Digital civic enagement by young people
Dorsal Raphe Dopamine Neurons Modulate Arousal and Promote Wakefulness by Salient Stimuli.
“They Are Happier and Having Better Lives than I Am”: The Impact of Using Facebook on Perceptions of Others’ Lives
Social cognitive development during adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Cheng, C., Lau, Y., Chan, L., & Luk, J. W. (2021). Prevalence of social media addiction across 32 nations: Meta-analysis with subgroup analysis of classification schemes and cultural values. *Addictive Behaviors*, 117, 106845. <https://doi.org/10.1016/j.addbeh.2021.106845>

Cherney, K. (2020, August 6). Social Media Addiction: What It Is and What to Do About It. Healthline. <https://www.healthline.com/health/social-media-addiction>

Chiu, P. H., Kayali, M. A., Kishida, K. T., Tomlin, D., Klinger, L. G., Klinger, M. R., & Montague, P. R. (2008). Self Responses along Cingulate Cortex Reveal Quantitative Neural Phenotype for High-Functioning Autism. *Neuron*, 57(3), 463–473. <https://doi.org/10.1016/j.neuron.2007.12.020>

Cho A, Byrne J, Pelter Z. UNICEF Office of Global Insight and Policy. 2020. [December 28, 2023]. Digital civic engagement by young people. <https://www.unicef.org/globalinsight/reports/digital-civic-engagement-young-people#:~:text=Digital%20civic%20engagement%20by%20youth%20can%20include%20digital,belonging%20to%20a%20campus%20or%20community%20group%20online>

Cho, J. R., Treweek, J. B., Robinson, J. E., Xiao, C., Bremner, L. R., Greenbaum, A., & Gradinaru, V. (2017). Dorsal Raphe Dopamine Neurons Modulate Arousal and Promote Wakefulness by Salient Stimuli. *Neuron*, 94(6), 1205-1219.e8. <https://doi.org/10.1016/j.neuron.2017.05.020>

Chou, H.-T. G., & Edge, N. (2012). “They Are Happier and Having Better Lives than I Am”: The Impact of Using Facebook on Perceptions of Others’ Lives. *Cyberpsychology, Behavior, and Social Networking*, 15 (2), 117–121. <https://doi.org/10.1089/cyber.2011.0324>

Choudhury, S., Blakemore, S.-J., & Charman, T. (2006). Social cognitive development during adolescence. *Social Cognitive and Affective Neuroscience*, 1 (3), 165–174. <https://doi.org/10.1093/scan/nsi024>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Body Image</i>	Choukas-Bradley, S.	Nesi, J., Widman, L., & Galla, B. M.
2018	<i>Psychology of Popular Media Culture</i>	Choukas-Bradley	Nesi, Widman, Higgins
2022	<i>Clinical Child and Family Psychology Review</i>	Choukas-Bradley, S.	Roberts, S. R., Maheux, A. J., & Nesi, J.
2025	<i>JAMA Pediatrics</i>	Christakis	Mathew, Reichberger, Rodriguez, Ren, Hale
2025	<i>JAMA Pediatrics</i>	Christakis, D. A.	Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L.
2016	<i>Computers in Human Behavior</i>	Chua, T. H. H.	Chang, L.
2025	<i>Psychology, Health & Medicine</i>	Ciftci	Sarman, Coban
2012	<i>Neurobiology of Aging</i>	Clapp, W. C.	Gazzaley, A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Appearance-Related Social Media Consciousness Scale: Development and validation with adolescents
Camera-Ready: Young Women's Appearance-Related Social Media Consciousness
The perfect storm: A developmental–sociocultural framework for the role of social media in adolescent girls' body image concerns and mental health
Adolescent Smartphone Use During School Hours
Adolescent Smartphone Use During School Hours
Follow me and like my beautiful selfies: Singapore Teenage Girls' Engagement in self-presentation and Peer Comparison on Social Media
The relationship between social media addiction, insomnia, and depression in adolescents
Distinct mechanisms for the impact of distraction and interruption on working memory in aging

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Choukas-Bradley, S., Nesi, J., Widman, L., & Galla, B. M. (2020). The Appearance-Related Social Media Consciousness Scale: Development and validation with adolescents. <i>Body Image</i> , 33 , 164–174. https://doi.org/10.1016/j.bodyim.2020.02.017
Choukas-Bradley, S., Nesi, J., Widman, L., & Higgins, M. K. (2018). Camera-ready: Young women’s appearance-related social media consciousness. <i>Psychology of Popular Media Culture</i> , 8 (4), 473–481. https://doi.org/10.1037/ppm0000196
Choukas-Bradley, S., Roberts, S. R., Maheux, A. J., & Nesi, J. (2022). The perfect storm: A developmental–sociocultural framework for the role of social media in adolescent girls’ body image concerns and mental health. <i>Clinical Child and Family Psychology Review</i> , 25(4), 681–701. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9287711/
Christakis, D. A., Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L. (2025). Adolescent Smartphone Use During School Hours. <i>JAMA Pediatrics</i> . https://doi.org/10.1001/jamapediatrics.2024.6627
Christakis, D. A., Mathew, G. M., Reichenberger, D. A., Rodriguez, I. R., Ren, B., & Hale, L. (2025). Adolescent Smartphone Use During School Hours. <i>JAMA Pediatrics</i> . https://doi.org/10.1001/jamapediatrics.2024.6627
Chua, T. H. H., & Chang, L. (2016). Follow me and like my beautiful selfies: Singapore Teenage Girls’ Engagement in self-presentation and Peer Comparison on Social Media. <i>Computers in Human Behavior</i> , 55(A), 190–197. https://doi.org/10.1016/j.chb.2015.09.011
Çiftci, N., Sarman, A., & Çoban, M. (2025). The relationship between social media addiction, insomnia, and depression in adolescents. <i>Psychology, Health & Medicine</i> , 1–16. https://doi.org/10.1080/13548506.2025.2465659
Clapp, W. C., & Gazzaley, A. (2012). Distinct mechanisms for the impact of distraction and interruption on working memory in aging. <i>Neurobiology of Aging</i> , 33 (1), 134–148. https://doi.org/10.1016/j.neurobiolaging.2010.01.012

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1995	<i>Psychological Assessment</i>	Clark, L. A.	Watson, D.
2019	<i>Molecular Psychiatry</i>	Clark, L.	Boileau, I., & Zack, M.
2009	<i>Neuron</i>	Clark, L.	Lawrence, A. J., Astley-Jones, F., & Gray, N.
2015	<i>Journal of Eating Disorders</i>	Cohen	Blaszczynski
2019	<i>New Media & Society</i>	Cohen	Fardouly, Newton-John, Slater
2017	<i>Body Image</i>	Cohen	Newton-John, Slater
2013	<i>Child Development</i>	Cohen-Gilbert, J. E.	Thomas, K. M.
2019	<i>Cyberpsychology, Behavior, & Social Networking</i>	Cole	Nick, Varga, Smith, Zelkowitz, Ford, & Lédeczi

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Constructing validity: Basic issues in objective scale development
Neuroimaging of reward mechanisms in Gambling disorder: An integrative review.
Gambling Near-Misses Enhance Motivation to Gamble and Recruit Win-Related Brain Circuitry
Comparative effects of Facebook and conventional media on body image dissatisfaction
#BoPo on Instagram: An experimental investigation of the effects of viewing body positive content on young women's mood and body image
The relationship between Facebook and Instagram appearance-focused activities and body image concerns in young women
Inhibitory Control During Emotional Distraction Across Adolescence and Early Adulthood
Are Aspects of Twitter Use Associated with Reduced Depressive Symptoms? The Moderating Role of In-Person Social Support

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Clark, L. A., & Watson, D. (1995). Constructing validity: Basic issues in objective scale development. *Psychological Assessment* , 7 (3), 309–319. <https://doi.org/10.1037/1040-3590.7.3.309>

Clark, L., Boileau, I., & Zack, M. (2019). Neuroimaging of reward mechanisms in Gambling disorder: An integrative review. *Molecular Psychiatry*, 24(5), 674–693. <https://doi.org/10.1038/s41380-018-0230-2>

Clark, L., Lawrence, A. J., Astley-Jones, F., & Gray, N. (2009). Gambling Near-Misses Enhance Motivation to Gamble and Recruit Win-Related Brain Circuitry. *Neuron* , 61 (3), 481–490. <https://doi.org/10.1016/j.neuron.2008.12.031>

Cohen, R., & Blaszczynski, A. (2015). Comparative effects of Facebook and conventional media on body image dissatisfaction. *Journal of Eating Disorders* , 3 (1). <https://doi.org/10.1186/s40337-015-0061-3>

Cohen, R., Fardouly, J., Newton-John, T., & Slater, A. (2019). #BoPo on Instagram: An experimental investigation of the effects of viewing body positive content on young women’s mood and body image. *New Media & Society*, 21(7), 1546-1564. <https://doi.org/10.1177/1461444819826530>

Cohen, R., Newton-John, T., & Slater, A. (2017). The relationship between Facebook and Instagram appearance-focused activities and body image concerns in young women. *Body Image* , 23 (1), 183–187. <https://doi.org/10.1016/j.bodyim.2017.10.002>

Cohen-Gilbert, J. E., & Thomas, K. M. (2013). Inhibitory Control During Emotional Distraction Across Adolescence and Early Adulthood. *Child Development* , 84 (6), 1954–1966. <https://doi.org/10.1111/cdev.12085>

Cole, D. A., Nick, E. A., Varga, G., Smith, D., Zelkowitz, R. L., Ford, M. A., & Lédeczi, Á. (2019). Are Aspects of Twitter Use Associated with Reduced Depressive Symptoms? The Moderating Role of In-Person Social Support. *Cyberpsychology, Behavior, and Social Networking* , 22 (11), 692–699. <https://doi.org/10.1089/cyber.2019.0035>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2011	<i>Developmental Psychology</i>	Cole, S.W.	Arevalo, J.M.G., Manu, K., Telzer, E.H., Kiang, L., Bower, J.E., Irwin, M.R., Fuligni A.J.
2022	<i>PLOS ONE</i>	Collis, A.	Eggers, F.
2010	<i>Journal of Abnormal Psychology</i>	Cooper, L. D.	Balsis, S., Zimmerman, M.
2018	<i>eLife</i>	Corre, J.	van Zessen, R., Loureiro, M., Patriarchi, T., Tian, L., Pascoli, V., & Lüscher, C.
2019	<i>Clinical Psychological Science</i>	N/A	N/A
2015	<i>Curr Top Behav Neurosci</i>	Cosgrove, K.P.	Esterlis, I., Sandiego, C., Petrulli, R., Morris, E.D.
2020	<i>Computers in Human Behavior</i>	Couture Bue, A.C.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Antagonistic pleiotropy at the human IL6 promoter confers genetic resilience to the pro-inflammatory effects of adverse social conditions in adolescence
Effects of restricting social media usage on wellbeing and performance: A randomized control trial among students
Challenges associated with a polythetic diagnostic system: Criteria combinations in the personality disorders
Dopamine neurons projecting to medial shell of the nucleus accumbens drive heroin reinforcement
Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time.
Imaging Tobacco Smoking with PET and SPECT
The looking glass selfie: Instagram use frequency predicts visual attention to high-anxiety body regions in young women

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Cole, S.W., Arevalo, J.M.G., Manu, K., Telzer, E.H., Kiang, L., Bower, J.E., Irwin, M.R., Fuligni A.J. (2011). Antagonistic pleiotropy at the human IL6 promoter confers genetic resilience to the pro-inflammatory effects of adverse social conditions in

Collis, A., & Eggers, F. (2022). Effects of restricting social media usage on wellbeing and performance: A randomized control trial among students. *PLOS ONE*, 17(8), e0272416.
<https://doi.org/10.1371/journal.pone.0272416>

Cooper, L. D., Balsis, S., & Zimmerman, M. (2010). Challenges associated with a polythetic diagnostic system: Criteria combinations in the personality disorders. *Journal of Abnormal Psychology*, 119(4), 886–895.

Corre, J., van Zessen, R., Loureiro, M., Patriarchi, T., Tian, L., Pascoli, V., & Lüscher, C. (2018). Dopamine neurons projecting to medial shell of the nucleus accumbens drive heroin reinforcement. *eLife*, 7, e39945. <https://doi.org/10.7554/eLife.39945>

Corrigendum: Increases in Depressive Symptoms, Suicide-Related Outcomes, and Suicide Rates Among U.S. Adolescents After 2010 and Links to Increased New Media Screen Time. (2019). *Clinical Psychological Science*, 7(2), 397. <https://doi.org/10.1177/2167702618824060>

Cosgrove K.P., Esterlis, I., Sandiego, C., Petrulli, R., Morris, E.D. Imaging Tobacco Smoking with PET and SPECT. *Curr Top Behav Neurosci*. 2015;24:1-17. doi: 10.1007/978-3-319-13482-6_1

Couture Bue, A. C. (2020). The looking glass selfie: Instagram use frequency predicts visual attention to high-anxiety body regions in young women. *Computers in Human Behavior*, 108, 106329. <https://doi.org/10.1016/j.chb.2020.106329>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Body Image</i>	Couture Bue, A.C.	Harrison, K.
2023	<i>Body Image</i>	Cowles, E.	Guest, E., & Slater, A.
2021	<i>Journal of Youth and Adolescence</i>	Coyne, S.M.	Hurst, J. L., Dyer, W. J., Hunt, Q., Schvanaveldt, E., Brown, S., & Jones, G.
2018	<i>Journal of Research on Adolescence</i>	Coyne, S.M.	Padilla-Walker, L. M., Holmgren, H. G., & Stockdale, L. A.
2020	<i>Computers in Human Behavior</i>	Coyne, S. M.	Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M.
2020	<i>Computers in Human Behavior</i>	Coyne, S. M.	Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M.
2020	<i>Computers in Human Behavior</i>	Coyne, S.M.	Rogers, A., Zurcher, J., Stockdale, L.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Visual and cognitive processing of thin-ideal Instagram imagescontaining idealized or disclaimer comments
Imagery versus captions: The effect of body positive Instagram content on young women's mood and body image
Suicide Risk in Emerging Adulthood: Associations with Screen Time over 10 years
Instagrowth: A Longitudinal Growth Mixture Model of Social Media Time Use Across Adolescence
Does time spent using social media impact mental health?: An eight year longitudinal study
Does time spent using social media impact mental health?: An eight year longitudinal study
Does time spent using social media impact mental health?: An eight year longitudinal study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Couture Bue, A. C., & Harrison, K. (2020). Visual and cognitive processing of thin-ideal Instagram images containing idealized or disclaimer comments. <i>Body Image</i> , 33 , 152–163. https://doi.org/10.1016/j.bodyim.2020.02.014</p>
<p>Cowles, E., Guest, E., & Slater, A. (2023). Imagery versus captions: The effect of body positive Instagram content on young women’s mood and body image. <i>Body Image</i> , 44 , 120–130. https://doi.org/10.1016/j.bodyim.2022.12.004</p>
<p>Coyne, S. M., Hurst, J. L., Dyer, W. J., Hunt, Q., Schvanaveldt, E., Brown, S., & Jones, G. (2021). Suicide Risk in Emerging Adulthood: Associations with Screen Time over 10 years. <i>Journal of Youth and Adolescence</i> , 50 . https://doi.org/10.1007/s10964-020-01389-6</p>
<p>Coyne, S. M., Padilla-Walker, L. M., Holmgren, H. G., & Stockdale, L. A. (2018). Instagrowth: A Longitudinal Growth Mixture Model of Social Media Time Use Across Adolescence. <i>Journal of Research on Adolescence</i> , 29 (4). https://doi.org/10.1111/jora.12424</p>
<p>Coyne, S. M., Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. <i>Computers in Human Behavior</i> , 104,106160. https://doi.org/10.1016/j.chb.2019.106160.</p>
<p>Coyne, S. M., Rogers, A. A., Zurcher, J. D., Stockdale, L. & Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. <i>Computers in Human Behavior</i> , 104,106160. https://doi.org/10.1016/j.chb.2019.106160.</p>
<p>Coyne, S. M., Rogers, A., Zurcher, J., Stockdale, L., Booth, M. (2020). Does time spent using social media impact mental health?: An eight year longitudinal study. <i>Computers in Human Behavior</i> , 104 (106160). https://doi.org/10.1016/j.chb.2019.106160</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Pediatrics</i>	Coyne, S.M.	Weinstein, E., Sheppard, J. A., James, S., Gale, M., Van Alfen, M., Ririe, N., Monson, C., Ashby, S., Weston, A., & Banks, K.
2021	<i>Social Media + Society</i>	Craig, S. L.	Eaton, A. D., McInroy, L. B., Leung, V. W. Y., & Krishnan, S.
2006	<i>Trends in cognitive sciences</i>	Craik, F. I.	Bialystok, E.
2017	<i>PLoS ONE</i>	Cremers, H.R.	Wager, T.D., Yarkoni, T.
2007	<i>Pharmacol Biochem Behav.</i>	Crews F.	He J, Hodge C.
2024	<i>Journal of Consumer Psychology</i>	Crolic, C.	Zubcsek, P.P., Stephen, A. T., & ...
2012	<i>Nature Reviews Neuroscience</i>	Crone, E. A.	Dahl, R. E.
2015	<i>Wiley Interdisciplinary Reviews: Cognitive Science</i>	Crone, E. A.	Elzinga, B. M.
2018	<i>Nature Communications</i>	Crone, E. A.	Konijn, E. A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Analysis of Social Media Use, Mental Health, and Gender Identity Among US Youths
Can Social Media Participation Enhance LGBTQ+ Youth Well-Being? Development of the Social Media Benefits Scale
Cognition through the lifespan: mechanisms of change
The relation between statistical power and inference in fMRI
Adolescent cortical development: A critical period of vulnerability for addiction.
Social platform use and psychological well-being
Understanding adolescence as a period of social–affective engagement and goal flexibility
Changing brains: how longitudinal functional magnetic resonance imaging studies can inform us about cognitive and social-affective growth trajectories
Media Use and Brain Development during Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Coyne, S. M., Weinstein, E., Sheppard, J. A., James, S., Gale, M., Van Alfen, M., Ririe, N., Monson, C., Ashby, S., Weston, A., & Banks, K. (2023). Analysis of Social Media Use, Mental Health, and Gender Identity Among US Youths. <i>JAMA Network Open</i> , 6 (7), e2324389. https://doi.org/10.1001/jamanetworkopen.2023.24389</p>
<p>Craig, S. L., Eaton, A. D., McInroy, L. B., Leung, V. W. Y., & Krishnan, S. (2021). Can Social Media Participation Enhance LGBTQ+ Youth Well-Being? Development of the Social Media Benefits Scale. <i>Social Media + Society</i>, 7(1). https://doi.org/10.1177/2056305121988931.</p>
<p>Craik, F. I., & Bialystok, E. (2006). Cognition through the lifespan: mechanisms of change. <i>Trends in cognitive sciences</i>, 10(3), 131-138.</p>
<p>Cremers, H.R., Wager, T.D., Yarkoni, T. (2017) The relation between statistical power and inference in fMRI. <i>PLoS ONE</i> 12(11): e0184923.</p>
<p>Crews F, He J, Hodge C. (2007). Adolescent cortical development: a critical period of vulnerability for addiction. <i>Pharmacol Biochem Behav</i>, 86(2):189-99.</p>
<p>Crolic, C., Zubcsek, P.P., Stephen, A. T., & Brooks, G. (2024). Social platform use and psychological well-being. <i>Journal of Consumer Psychology</i> . https://doi.org/10.1002/jcpy.1437</p>
<p>Crone, E. A., & Dahl, R. E. (2012). Understanding adolescence as a period of social–affective engagement and goal flexibility. <i>Nature Reviews Neuroscience</i> , 13 (9), 636–650. https://doi.org/10.1038/nrn3313</p>
<p>Crone, E. A., & Elzinga, B. M. (2015). Changing brains: how longitudinal functional magnetic resonance imaging studies can inform us about cognitive and social-affective growth trajectories. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 6 (1), 53–63. https://doi.org/10.1002/wcs.1327</p>
<p>Crone, E. A., & Konijn, E. A. (2018). Media Use and Brain Development during Adolescence. <i>Nature Communications</i> , 9 (1). https://doi.org/10.1038/s41467-018-03126-x</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Developmental Review</i>	Crone, E. A.	van Duijvenvoorde, A. C.
2018	<i>Journal of Adolescence</i>	Crowley, S. J.	Wolfson, A. R., Tarokh, L., & Carskadon, M. A.
2007	<i>Sleep Med</i>	Crowley, S.J.	et al.
2014	<i>Personality and Social Psychology Review</i>	Cruwys, T.	Haslam, S. A., Dingle, G. A., Haslam, C., & Jetten, J.
2021	<i>Research on Child and Adolescent Psychopathology</i>	Cunningham, S.	Hudson, C.C., Harkness, K.
2024	<i>Science Advances</i>	da Silva Pinho, A.	Céspedes Izquierdo, V., Lindström, B., & van den Bos, W.
2002	<i>Journal of Adolescent Health</i>	Dahl, R. E.	Lewin, D. S.
2023	<i>Social Cognitive Affective Neuroscience</i>	Dai, J†.	Jorgensen, N.A†., Duel, N†., Capella, J†., Maza, M†., Kwon, S-J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Multiple pathways of risk taking in adolescence
An update on adolescent sleep: New evidence informing the perfect storm model
Sleep, circadian rhythms, and delayed phase in adolescence
Depression and Social Identity
Social media and depression symptoms: A meta-analysis.
Youths' sensitivity to social media feedback: A computational account.
Pathways to adolescent health sleep regulation and behavior
Neural tracking of social hierarchies in adolescents' real-world social networks

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Crone, E. A., & van Duijvenvoorde, A. C. (2021). Multiple pathways of risk taking in adolescence. <i>Developmental Review</i> , 62, 100996
Crowley, S. J., Wolfson, A. R., Tarokh, L., & Carskadon, M. A. (2018). An update on adolescent sleep: New evidence informing the perfect storm model. <i>Journal of Adolescence</i> , 67 (67), 55–65. https://doi.org/10.1016/j.adolescence.2018.06.001
Crowley, S.J. et al. (2007) Sleep, circadian rhythms, and delayed phase in adolescence. <i>Sleep Med.</i> 8, 602–612.
Cruwys, T., Haslam, S. A., Dingle, G. A., Haslam, C., & Jetten, J. (2014). Depression and Social Identity. <i>Personality and Social Psychology Review</i> , 18 (3), 215–238. https://doi.org/10.1177/1088868314523839
Cunningham, S., Hudson, C. C., & Harkness, K. (2021). Social media and depression symptoms: A meta-analysis. <i>Research on Child and Adolescent Psychopathology</i> , 49 (2). https://doi.org/10.1007/s10802-020-00715-7
da Silva Pinho, A., Céspedes Izquierdo, V., Lindström, B., & van den Bos, W. (2024). Youths’ sensitivity to social media feedback: A computational account. <i>Science Advances</i> , 10 (43). https://doi.org/10.1126/sciadv.adp8775
Dahl, R. E., & Lewin, D. S. (2002). Pathways to adolescent health sleep regulation and behavior. <i>Journal of Adolescent Health</i> , 31 (6), 175–184. https://doi.org/10.1016/s1054-139x(02)00506-2
Dai, J†., Jorgensen, N.A†., Duel, N†., Capella, J†., Maza, M†., Kwon, S-J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neural tracking of social hierarchies in adolescents’ real-world social networks. <i>Social Cognitive Affective Neuroscience</i> , 18, nsad064. https://doi.org/10.1093/scan/nsad064

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Human Brain Mapping</i>	Dai, J†.	Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A.
2024	<i>PPM</i>	Dajches, L.	Gahler, H., Terán, L., Yan, K., Zeng, J., & Aubrey, J. S.
2009	<i>Archives of pediatrics & adolescent medicine</i>	Danese, A.	Moffitt, T. E., Harrington, H., Milne, B. J., Polanczyk, G., Pariante, C. M., Poulton, R., & Caspi, A.
2020	<i>Emerging Adulthood</i>	Daniels, E.A.	N/A
2025	<i>Pew Research Center</i>	Dannenbaum, C.	N/A
2021	<i>British Journal of Health Psychology</i>	Danthinne, E.S.	Giorgianni, F. E., Ando, K., & Rodgers, R. F.
2020	<i>Journal of Child Psychology and Psychiatry</i>	Das-Friebel, A.	Lenneis, A., Realo, A., Sanborn, A., Tang, N. K. Y., Wolke, D., Mühlenen, A., & Lemola, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural similarity in nucleus accumbens during decision making for the self and a best friend: Links to adolescents' self-reported susceptibility to peer influence and risk taking
"I Made You Look"... and Comment: Exploring the Role of TikTok on Body Image and Acceptance of Cosmetic Surgery
Adverse childhood experiences and adult risk factors for age-related disease: depression, inflammation, and clustering of metabolic risk markers
Does Objectification on Social Media Cost Young Men?
5 Facts About Americans and YouTube.
Real beauty: Effects of a body-positive video on body image and capacity to mitigate exposure to social media images
Bedtime social media use, sleep, and affective wellbeing in young adults: an experience sampling study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Dai, J†., Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A. (2023). Neural similarity in nucleus accumbens during decision making for the self and a best friend: Links to adolescents' self-reported susceptibility to peer influence and risk taking. *Human Brain Mapping*, 44, 3972-3985.
<http://doi.org/10.1002/hbm.26317>

Dajches, L., Gahler, H., Terán, L., Yan, K., Zeng, J., & Aubrey, J. S. (2024). "I made you look"... and comment: Exploring the role of TikTok on body image and acceptance of cosmetic surgery. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000566>

Danese, A., Moffitt, T. E., Harrington, H., Milne, B. J., Polanczyk, G., Pariante, C. M., Poulton, R., & Caspi, A. (2009). Adverse childhood experiences and adult risk factors for age-related disease: depression, inflammation, and clustering of metabolic risk markers. *Archives of pediatrics & adolescent medicine*, 163(12), 1135–1143. <https://doi.org/10.1001/archpediatrics.2009.214>

Daniels, E. A. (2020). Does objectification on social media cost young men? *Emerging Adulthood*, 8(3), 226–236. <https://doi.org/10.1177/2167696818804051>

Dannenbaum, C. (2025). 5 Facts About Americans and YouTube. Pew Research Center . <https://www.pewresearch.org/short-reads/2025/02/28/5-facts-about-americans-and-youtube/>

Danthinne, E. S., Giorgianni, F. E., Ando, K., & Rodgers, R. F. (2021). Real beauty: Effects of a Body-positive Video on Body Image and Capacity to Mitigate Exposure to Social Media Images. *British Journal of Health Psychology* , 27 (2).
<https://doi.org/10.1111/bjhp.12547>

Das-Friebel, A., Lenneis, A., Realo, A., Sanborn, A., Tang, N. K. Y., Wolke, D., Mühlenen, A., & Lemola, S. (2020). Bedtime social media use, sleep, and affective wellbeing in young adults: an experience sampling study. *Journal of Child Psychology and Psychiatry* , 61 (10), 1138–1149.
<https://doi.org/10.1111/jcpp.13326>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Trends in Cognitive Sciences</i>	Davidow, J. Y.	Insel, C., & Somerville, L. H.
2008	N/A	Davies T.	Cranston P.
2020	<i>Body Image</i>	Davies, B.	Turner, M., Udell, J.
2023	<i>Body Image</i>	Davies, B.	Turner, M., Udell, J.
2023	<i>Media Psychology</i>	Davies, B.	Turner, M., Udell, J.
2024	<i>PPM</i>	Davis, C.G.	Goldfield, G.S.
2025	<i>Psychology of Popular Media</i>	Davis, C. G.	Goldfield, G. S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescent development of value-guided goal pursuit
Youth Work and Social Networking Final Research Report.
Add a comment . . . how fitspiration and body positive captionsattached to social media images influence the mood and body esteemof young female Instagram users
Are humorous or distractor images more effective than self-compassion messages for combatting the negative body image consequences of social media? An experimental test of possible micro-intervention stimuli
The Importance of Social Cues When Browsing Appearance-Focused Social Media Content: A Think Aloud Protocol Analysis Using Fitspiration Images and Instagram Feed Browsing
Limiting Social Media Use Decreases Depression, Anxiety, and Fear of Missing Out in Youth With Emotional Distress: A Randomized Controlled Trial
Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial

Literature Review - APA Publication Cite

Davidow, J. Y., Insel, C., & Somerville, L. H. (2018). Adolescent development of value-guided goal pursuit. *Trends in Cognitive Sciences*, 22(8), 725-736.

Davies T, Cranston P. (2008) Youth Work and Social Networking Final Research Report.

Davies, B., Turner, M., & Udell, J. (2020). Add a comment ... how fitspiration and body positive captions attached to social media images influence the mood and body esteem of young female Instagram users. *Body Image*, 33 (33), 101–105. <https://doi.org/10.1016/j.bodyim.2020.02.009>

Davies, B., Turner, M., & Udell, J. (2023). Are humorous or distractor images more effective than self-compassion messages for combatting the negative body image consequences of social media? An experimental test of possible micro-intervention stimuli. *Body Image*, 46, 356–371. <https://doi.org/10.1016/j.bodyim.2023.07.003>

Davies, B., Turner, M., & Udell, J. (2023). The Importance of Social Cues When Browsing Appearance-Focused Social Media Content: A Think Aloud Protocol Analysis Using Fitspiration Images and Instagram Feed Browsing. *Media Psychology*, 27 (3), 352–378. <https://doi.org/10.1080/15213269.2023.2242251>

Davis, C. G., & Goldfield, G. S. (2024). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. *Psychology of Popular Media*, 14 (1). <https://doi.org/10.1037/ppm0000536>

Davis, C. G., & Goldfield, G. S. (2025). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. *Psychology of Popular Media*, 14(1), 1–11. <https://doi.org/10.1037/ppm0000536>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2025	<i>Psychology of Popular Media</i>	Davis, C.G.	Goldfield, G.S.
2016	<i>Learning, Media and Technology</i>	Davis, K.	Koepke, L.
2023	<i>Social Cognitive Affective Neuroscience</i>	Davis, M.M†.	Modi, H.H†., Skymba, H.V†., Finnegan, M., Haiger, K., Telzer, E.H., & Rudolph, K.D.
(in press)	<i>Child Psychiatry & Human Development</i>	Davis, M.M†.	Surabhi, D.M., Telzer, E.H., & Rudolph, K.D.
(in press)	<i>Child Psychiatry & Human Development</i>	Davis, M.M†.	Surabhi, D.M., Telzer, E.H., & Rudolph, K.D.
2024	<i>Developmental Psychobiology</i>	Davis, M.M†.	Modi, H.H., Skymba, H.V., Haigler, K., Finnegan, M.K., Telzer, E.H., Rudolph, K. R.
2019	<i>Journal of Abnormal Child Psychology</i>	Davis, M†.	Miernicki, M†., Telzer, E.H., & Rudolph, K.D.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Limiting Social Media Use Decreases Depression
Risk and protective factors associated with cyberbullying: Are relationships or rules more protective?
Thumbs up or thumbs down: Neural processing of social feedback and links to social motivation in adolescent girls
Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals
Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals
Neural sensitivity to peer feedback and depressive symptoms: Moderation by executive function
The contribution of childhood negative emotionality and cognitive control to anxiety-linked neural dysregulation of emotion in adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Davis, C. G., & Goldfield, G. S. (2025). Limiting social media use decreases depression, anxiety, and fear of missing out in youth with emotional distress: A randomized controlled trial. <i>Psychology of Popular Media</i> , 14(1), 1–11. https://doi.org/10.1037/ppm0000536
Davis, K., & Koepke, L. (2016). Risk and protective factors associated with cyberbullying: Are relationships or rules more protective? <i>Learning, Media and Technology</i> , 41 (4), 521–545. https://doi.org/10.1080/17439884.2014.994219
Davis, M.M†., Modi, H.H†., Skymba, H.V†., Finnegan, M., Haiger, K., Telzer, E.H., & Rudolph, K.D. (2023). Thumbs up or thumbs down: Neural processing of social feedback and links to social motivation in adolescent girls. <i>Social Cognitive Affective Neuroscience</i> , 18, nsac055. https://doi.org/10.1093/scan/nsac055
Davis, M.M†., Surabhi, D.M., Telzer, E.H., & Rudolph, K.D. (in press). Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals. <i>Child Psychiatry & Human Development</i> . https://doi.org/10.1007/s10578-023-01538-5
Davis, M.M†., Surabhi, D.M., Telzer, E.H., & Rudolph, K.D. (in press). Risk for depressive symptoms among adolescents with a history of adversity: Unique role of stress appraisals. <i>Child Psychiatry & Human Development</i> .
Davis, M.M†., Modi, H.H., Skymba, H.V., Haigler, K., Finnegan, M.K., Telzer, E.H., Rudolph, K. R. (2024). Neural sensitivity to peer feedback and depressive symptoms: Moderation by executive function. <i>Developmental Psychobiology</i> , 66(6), e22515. https://doi.org/10.1002/dev.22515
Davis, M†., Miernicki, M†., Telzer, E.H., & Rudolph, K.D. (2019). The contribution of childhood negative emotionality and cognitive control to anxiety-linked neural dysregulation of emotion in adolescence. <i>Journal of Abnormal Child Psychology</i> , 47, 515–527. https://doi.org/10.1007/s10802-018-0456-0

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Proceedings of the ... International AAAI Conference on Weblogs and Social Media. International AAAI Conference on Weblogs and Social Media</i>	De Choudhury, M.	Kiciman, E.
2024	<i>Body Image</i>	De Coen, J.	Goossens, L., Bosmans, G., Debra, G., Verbeken, S.
2015	<i>Neuroscience</i>	de Flores, R.	La Joie, R. & Chételat, G.
2024	<i>BMC Psychology</i>	de Hesselle, L.	Montag, C.
2024	<i>BMC Psychology</i>	de Hesselle, L.	Montag, C.
2023	<i>Body Image</i>	de Lenne, O.	Vandenbosch, L., Smits, T., Eg
2021	<i>Body Image</i>	de Valle, M.K.	Gallego-García, M., Williamson, P., Wade, T. D.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Language of Social Support in Social Media and its Effect on Suicidal Ideation Risk
Body dissatisfaction and disordered eating symptoms in children's daily life: Can parents protect against appearance comparison on social media?
Structural imaging of hippocampal subfields in healthy aging and Alzheimer's disease
Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study
Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study
Experimental research on non-idealized models: A systematic literature review
Social media, body image, and the question of causation: Meta-analyses of experimental and longitudinal evidence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

De Choudhury, M., & Kıcıman, E. (2017). The Language of Social Support in Social Media and its Effect on Suicidal Ideation Risk. Proceedings of the ... International AAAI Conference on Weblogs and Social Media. International AAAI Conference on Weblogs and Social Media, 2017, 32–41.

De Coen, J., Goossens, L., Bosmans, G., Debra, G., & Verbeken, S. (2024). Body dissatisfaction and disordered eating symptoms in children’s daily life: Can parents protect against appearance comparison on social media? *Body Image* , 48 , 101647. <https://doi.org/10.1016/j.bodyim.2023.101647>

de Flores, R., La Joie, R., & Chételat, G. (2015). Structural imaging of hippocampal subfields in healthy aging and Alzheimer’s disease. *Neuroscience* , 309 , 29–50. <https://doi.org/10.1016/j.neuroscience.2015.08.033>

de Hesselle, L., & Montag, C. (2024). Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study. *BMC Psychology* , 12 (1). <https://doi.org/10.1186/s40359-024-01611-1>

de Hesselle, L., & Montag, C. (2024). Effects of a 14-day social media abstinence on mental health and well-being: results from an experimental study. *BMC Psychology* , 12 (1). <https://doi.org/10.1186/s40359-024-01611-1>

de Lenne, O., Vandenbosch, L., Smits, T., & Eggermont, S. (2023). Experimental research on non-idealized models: A systematic literature review. *Body Image* , 47 , 101640. <https://doi.org/10.1016/j.bodyim.2023.101640>

de Valle, M. K., Gallego-García, M., Williamson, P., & Wade, T. D. (2021). Social media, body image, and the question of causation: Meta-analyses of experimental and longitudinal evidence. *Body Image* , 39 , 276–292. <https://doi.org/10.1016/j.bodyim.2021.10.001>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Journal of Youth and Adolescence</i>	de Vries, D.A.	Peter, J., de Graaf, H., Nikken,
2018	<i>Journal of Youth and Adolescence</i>	de Vries, D.A.	Vossen, H.G.M., van der Kolk - van der Boom, P.
2018	<i>Development and Psychopathology</i>	Deer, L.K.	Shields, G.S., Ivory, S.L†., Hostinar, C.E., & Telzer, E.H.
2022	<i>Brain Sciences</i>	Dekkers, T. J.	van Hoorn, J.
2022	<i>Current Opinion in Psychology</i>	Dekkers, T. J.	de Water, E. & Scheres, A.
2025	<i>Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement</i>	Demers, H.	White-Gosselin, C.-É., & Poulin, F.
2017	<i>Active Learning in Higher Education</i>	Demirbilek, M.	Talan, T.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescents' Social Network Site Use, Peer Appearance-Related Feedback, and Body Dissatisfaction: Testing a Mediation Model
Social Media and Body Dissatisfaction: Investigating the Attenuating Role of Positive Parent–Adolescent Relationships
Racial/ethnic disparities in cortisol diurnal patterns and affect in adolescence
Understanding Problematic Social Media Use in Adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD): A Narrative Review and Clinical Recommendations
Impulsive and risky decision-making in adolescents with attention-deficit/hyperactivity disorder (ADHD): The need for a developmental perspective
Relationship with parents in adolescence and social media addiction in adulthood: Longitudinal links and mediation analyses.
The effect of social media multitasking on classroom performance

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

de Vries, D. A., Peter, J., de Graaf, H., & Nikken, P. (2016). Adolescents' Social Network Site Use, Peer Appearance-Related Feedback, and Body Dissatisfaction: Testing a Mediation Model. *Journal of Youth and Adolescence* , 45 (1), 211–224. <https://doi.org/10.1007/s10964-015-0266-4>

de Vries, D. A., Vossen, H. G. M., & van der Kolk – van der Boom, P. (2018). Social Media and Body Dissatisfaction: Investigating the Attenuating Role of Positive Parent–Adolescent Relationships. *Journal of Youth and Adolescence* , 48 (3), 527–536. <https://doi.org/10.1007/s10964-018-0956-9>

Deer, L.K., Shields, G.S., Ivory, S.L†., Hostinar, C.E., & Telzer, E.H. (2018). Racial/ethnic disparities in cortisol diurnal patterns and affect in adolescence. *Development and Psychopathology* , 30, 1977-1993. <https://doi.org/10.1017/S0954579418001098>. Special Issue on Cultural Development and Psychopathology.

Dekkers, T. J., & van Hoorn, J. (2022). Understanding Problematic Social Media Use in Adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD): A Narrative Review and Clinical Recommendations. *Brain Sciences* , 12(12), 1625. <https://doi.org/10.3390/brainsci12121625>

Dekkers, T. J., de Water, E., & Scheres, A. (2022). Impulsive and risky decision-making in adolescents with attention-deficit/hyperactivity disorder (ADHD): The need for a developmental perspective. *Current Opinion in Psychology* , 44 (44), 330–336. <https://doi.org/10.1016/j.copsyc.2021.11.002>

Demers, H., White-Gosselin, C.-É., & Poulin, F. (2025). Relationship with parents in adolescence and social media addiction in adulthood: Longitudinal links and mediation analyses. *Canadian Journal of Behavioural Science / Revue Canadienne Des Sciences Du Comportement*, 57(2), 87–97. <https://doi.org/10.1037/cbs0000428>

Demirbilek, M., & Talan, T. (2017). The effect of social media multitasking on classroom performance. *Active Learning in Higher Education* , 19 (2), 117–129. <https://doi.org/10.1177/1469787417721382>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2012	<i>NeuroImage</i>	den Heijer, T.	van der Lijn, F., Vernooij, M. W., de Groot, M., Koudstaal, P. J., der Lugt, A. van, Krestin, G. P., Hofman, A., Niessen, W. J., & Breteler, M. M. B.
2021	<i>International Journal of Environmental Research and Public Health</i>	Deng, X.	Gao, Q., Hu, L., Zhang, L., Li, Y., & Bu, X.
2023	<i>Body Image</i>	Dent, E.	Martin, A.K.
2016	<i>Brain Structure & Function</i>	Deoni, S. C. L.	O'Muirheartaigh, J., Elison, J. T., Walker, L., Doernberg, E., Waskiewicz, N., Dirks, H., Piryatinsky, I., Dean, D. C., & Jumbe, N. L.
2023	<i>New Media & Society</i>	Devos, S.	Schreurs, L., Eggermont, S., V
2022	<i>Addictive Behaviors</i>	Di Blasi, M.	Salerno, L., Albano, G., Caci, B., Esposito, G., Salcuni, S., Gelo, O. C. G., Mazzeschi, C., Merenda, A., Giordano, C., & Lo Coco, G.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Structural and diffusion MRI measures of the hippocampus and memory performance
Differences in Reward Sensitivity between High and Low Problematic Smartphone Use Adolescents: An ERP Study
Negative comments and social media: How cognitive biases relate to body image concerns
White matter maturation profiles through early childhood predict general cognitive ability
Go big or go home: Examining the longitudinal to successful portrayals on social media and adolescents' feelings of discrepancy
A three-wave panel study on longitudinal relations between problematic social media use and psychological distress during the COVID-19 pandemic

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

den Heijer, T., der Lijn, F. van, Vernooij, M. W., de Groot, M., Koudstaal, P. J., der Lugt, A. van, Krestin, G. P., Hofman, A., Niessen, W. J., & Breteler, M. M. B. (2012). Structural and diffusion MRI measures of the hippocampus and memory performance. *NeuroImage* , 63(4), 1782–1789.
<https://doi.org/10.1016/j.neuroimage.2012.08.067>

Deng, X., Gao, Q., Hu, L., Zhang, L., Li, Y., & Bu, X. (2021). Differences in Reward Sensitivity between High and Low Problematic Smartphone Use Adolescents: An ERP Study. *International Journal of Environmental Research and Public Health* , 18(18), 9603–9603.
<https://doi.org/10.3390/ijerph18189603>

Dent, E., & Martin, A. K. (2023). Negative comments and social media: How cognitive biases relate to body image concerns. *Body Image* , 45 , 54–64. <https://doi.org/10.1016/j.bodyim.2023.01.008>

Deoni, S. C. L., O’Muircheartaigh, J., Ellison, J. T., Walker, L., Doernberg, E., Waskiewicz, N., Dirks, H., Piryatinsky, I., Dean, D. C., & Jumbe, N. L. (2016). White matter maturation profiles through early childhood predict general cognitive ability. *Brain Structure & Function* , 221(2), 1189–1203.
<https://doi.org/10.1007/s00429-014-0947-x>

Devos, S., Schreurs, L., Eggermont, S., & Vandenbosch, L. (2023). Go big or go home: Examining the longitudinal relations between exposure to successful portrayals on social media and adolescents’ feelings of discrepancy. *New Media & Society*, 27(2), 1034-1052. <https://doi.org/10.1177/14614448231188935>

Di Blasi, M., Salerno, L., Albano, G., Caci, B., Esposito, G., Salcuni, S., Gelo, O. C. G., Mazzeschi, C., Merenda, A., Giordano, C., & Lo Coco, G. (2022). A three-wave panel study on longitudinal relations between problematic social media use and psychological distress during the COVID-19 pandemic. *Addictive Behaviors* , 134 , 107430.
<https://doi.org/10.1016/j.addbeh.2022.107430>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Aesth Plastic Surgery</i>	Di Gesto, C.	Nerini, A., Policardo, G.R. <i>et al</i>
2023	<i>International Journal of Environmental Research and Public Health</i>	Di Michele, D.	Guizzo, F., Canale, N., Fasoli, F., Carotta, F., Pollini, A., & Cadinu, M.
2013	<i>Annual Review of Psychology</i>	Diamond, A.	N/A
2023	<i>Journal of Sleep Research</i>	Dibben, G.O.	Martin, A., Shore, C. B., Johnstone, A., McMellon, C., Palmer, V., Pugmire, J., Riddell, J., Skivington, K., Wells, V., McDaid, L., & Simpson, S. A.
2022	<i>Psychology of Popular Media</i>	Diefenbach, S.	Anders, L.
2017	<i>Journal of Computer-Mediated Communication</i>	Dienlin, T.	Masur, P.K., & Trepte, S.
2022	<i>Scientific Reports</i>	Dissing, A.S.	Andersen, T. O., Jensen, A. K., Lund, R., & Rod, N. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Predictors of Acceptance of Cosmetic Surgery: Instagram Images-Based Activities, Appearance Comparison and Body Dissatisfaction Among Women
#SexyBodyPositive: When Sexualization Does Not Undermine Young Women's Body Image
Executive functions
Adolescents' interactive electronic device use, sleep and mental health: a systematic review of prospective studies
The Psychology of Likes: Relevance of Feedback on Instagram and Relationship to Self-Esteem and Social Status
Reinforcement or Displacement? The Reciprocity of FtF, IM, and SNS Communication and Their Effects on Loneliness and Life Satisfaction
Nighttime smartphone use and changes in mental health and wellbeing among young adults: a longitudinal study based on high-resolution tracking data

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Di Gesto, C., Nerini, A., Policardo, G.R. <i>et al.</i> (2022). Predictors of Acceptance of Cosmetic Surgery: Instagram Images-Based Activities, Appearance Comparison and Body Dissatisfaction Among Women. <i>Aesth Plast Surg</i> ery, 46, 502–512. https://doi.org/10.1007/s00266-021-02546-3</p>
<p>Di Michele, D., Guizzo, F., Canale, N., Fasoli, F., Carotta, F., Pollini, A., & Cadinu, M. (2023). #SexyBodyPositive: When Sexualization Does Not Undermine Young Women’s Body Image. <i>International Journal of Environmental Research and Public Health</i> , 20(2), 991. https://doi.org/10.3390/ijerph20020991</p>
<p>Diamond, A. (2013). Executive functions. <i>Annual Review of Psychology</i> , 64, 135–168. https://doi.org/10.1146/annurev-psych-113011-143750</p>
<p>Dibben, G. O., Martin, A., Shore, C. B., Johnstone, A., McMellon, C., Palmer, V., Pugmire, J., Riddell, J., Skivington, K., Wells, V., McDaid, L., & Simpson, S. A. (2023). Adolescents' interactive electronic device use, sleep and mental health: a systematic review of prospective studies. <i>Journal of sleep research</i> , 32(5), e13899. https://doi.org/10.1111/jsr.13899</p>
<p>Diefenbach, S., & Anders, L. (2022). The psychology of likes: Relevance of feedback on Instagram and relationship to self-esteem and social status. <i>Psychology of Popular Media</i>, 11(2), 196–207. https://doi.org/10.1037/ppm0000360</p>
<p>Dienlin, T., Masur, P. K., & Trepte, S. (2017). Reinforcement or Displacement? The Reciprocity of FtF, IM, and SNS Communication and Their Effects on Loneliness and Life Satisfaction. <i>Journal of Computer-Mediated Communication</i> , 22(2), 71–87. https://doi.org/10.1111/jcc4.12183</p>
<p>Dissing, A. S., Andersen, T. O., Jensen, A. K., Lund, R., & Rod, N. H. (2022). Nighttime smartphone use and changes in mental health and wellbeing among young adults: a longitudinal study based on high-resolution tracking data. <i>Scientific Reports</i> , 12(1), 1–9. https://doi.org/10.1038/s41598-022-10116-z</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Scientific Reports</i>	Do, K.D†.	McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2024	<i>Journal of Cognitive Neuroscience</i>	Do, K.D†.	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2019	<i>Developmental Cognitive Neuroscience</i>	Do, K.T†.	Telzer, E.H.
2019	<i>Social Cognitive Affective Neuroscience</i>	Do, K.T†.	McCormick, E.M†., & Telzer, E.H.
2024	<i>Oxford University Press</i>	Do, K.T†.	Prinstein, M.J. & Telzer, E.H.
2017	<i>Developmental Cognitive Neuroscience</i>	Do, K.T†+.	Guassi Moreira, J†+. & Telzer, E.H.
2024	<i>Developmental Psychology</i>	Do, KD†.	Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Intrinsic connectivity within the affective salience network moderates adolescent susceptibility to negative and positive peer norms
Neural tracking of perceived parent, but not peer, norms is associated with longitudinal changes in adolescent attitudes about externalizing behaviors
Corticostriatal connectivity is associated with the reduction of intergroup bias and greater impartial giving in youth
The neural development of prosocial behavior from childhood to adolescence
Neurobiological susceptibility to peer influence in adolescence. In K.C. Kadosh (Ed). Oxford Handbook of Developmental Cognitive Neuroscience
But is helping you worth the risk?: Defining Prosocial Risk Taking in adolescence
Longitudinal changes in the value and influence of parent and peer attitudes about externalizing behaviors across adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Do, K.D†., McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2022). Intrinsic connectivity within the affective salience network moderates adolescent susceptibility to negative and positive peer norms. <i>Scientific Reports</i> , 12, 17463. https://doi.org/10.1038/s41598-022-17780-1
Do, K.D†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Neural tracking of perceived parent, but not peer, norms is associated with longitudinal changes in adolescent attitudes about externalizing behaviors. <i>Journal of Cognitive Neuroscience</i> , 36, 1221-1237. https://doi.org/10.1162/jocn_a_02152
Do, K.T†. & Telzer, E.H. (2019). Corticostriatal connectivity is associated with the reduction of intergroup bias and greater impartial giving in youth. <i>Developmental Cognitive Neuroscience</i> , 37, 100628. https://doi.org/10.1016/j.dcn.2019.100628
Do, K.T†., McCormick, E.M†., & Telzer, E.H. (2019). The neural development of prosocial behavior from childhood to adolescence. <i>Social Cognitive Affective Neuroscience</i> , 14, 129-139. https://doi.org/10.1093/scan/nsy117
Do, K.T†., Prinstein, M.J., & Telzer, E.H. (2024). Neurobiological susceptibility to peer influence in adolescence. In K.C. Kadosh (Ed). <i>Oxford Handbook of Developmental Cognitive Neuroscience</i> . Oxford University Press. https://doi.org/10.1093/oxfordhb/9780198827474.001.0001
Do, K.T†+., Guassi Moreira, J†+. & Telzer, E.H. (2017). But is helping you worth the risk?: Defining Prosocial Risk Taking in adolescence. <i>Developmental Cognitive Neuroscience</i> , 25, 260-271. Special Issue on Sensitive Periods Across Development https://doi.org/10.1016/j.dcn.2016.11.008 +denotes equal author contribution
Do, KD†. & Telzer, E.H. (2024) Longitudinal changes in the value and influence of parent and peer attitudes about externalizing behaviors across adolescence. <i>Developmental Psychology</i> , 60(8), 1500–1510. https://doi.org/10.1037/dev0001715 [preregistration]

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Developmental Cognitive Neuroscience</i>	Do. K.D†.	McCormick, E.M†., & Telzer, E.H.
2020	<i>Current Directions in Psychological Science</i>	Do. K.T†.	Sharp, P.B†. & Telzer, E.H.
2013	<i>Computers in Human Behavior</i>	Dolev-Cohen	Barak
2024	<i>Current opinion in genetics & development</i>	Doll, H. M.	Risgaard, R. D., Thurston, H., Chen, R. J., & Sousa, A. M.
2021	<i>Human Behavior and Emerging Technologies</i>	Dontre, A. J.	N/A
2021	<i>See Change Institute</i>	Dooley, L.	et al.,
2006	<i>Applied Developmental Science</i>	Dorn, L. D.	Dahl, R. E., Woodward, H. R. & Biro, F.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural sensitivity to conflicting attitudes supports greater conformity toward positive over negative influence in early adolescence
Modernizing conceptions of valuation and cognitive control deployment in adolescent risk taking
Adolescents' use of Instant Messaging as a means of emotional relief
Evolutionary innovations in the primate dopaminergic system.
The influence of technology on academic distraction: A review.
Climate Change & Youth Mental Health: Psychological Impacts, Resilience Resources, & Future Directions
Defining the boundaries of early adolescence: A user's guide to assessing pubertal status and pubertal timing in research with adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Do. K.D†., McCormick, E.M†., & Telzer, E.H. (2020). Neural sensitivity to conflicting attitudes supports greater conformity toward positive over negative influence in early adolescence. <i>Developmental Cognitive Neuroscience</i> , 45, 100837. https://doi.org/10.1016/j.dcn.2020.100837
Do. K.T†., Sharp, P.B†., & Telzer, E.H. (2020). Modernizing conceptions of valuation and cognitive control deployment in adolescent risk taking. <i>Current Directions in Psychological Science</i> , 29, 102-109. https://doi.org/10.1177/0963721419887361
Dolev-Cohen, M., & Barak, A. (2013). Adolescents' use of Instant Messaging as a means of emotional relief. <i>Computers in Human Behavior</i> , 29 (1), 58–63. https://doi.org/10.1016/j.chb.2012.07.016
Doll, H. M., Risgaard, R. D., Thurston, H., Chen, R. J., & Sousa, A. M. (2024). Evolutionary innovations in the primate dopaminergic system. <i>Current opinion in genetics & development</i> , 88, 102236. https://doi.org/10.1016/j.gde.2024.102236
Dontre, A. J. (2021). The influence of technology on academic distraction: A review. <i>Human Behavior and Emerging Technologies</i> , 3(3), 379–390. https://doi.org/10.1002/hbe2.229
Dooley, L., et al., (2021) Climate Change & Youth Mental Health: Psychological Impacts, Resilience Resources, & Future Directions. Los Angeles, CA: See Change Institute.
Dorn, L. D., Dahl, R. E., Woodward, H. R. & Biro, F. (2006) Defining the boundaries of early adolescence: A user's guide to assessing pubertal status and pubertal timing in research with adolescents. <i>Applied Developmental Science</i> , 10(1), 30–56.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2007	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Dosenbach, N. U. F.	Fair, D. A., Miezin, F. M., Cohen, A. L., Wenger, K. K., Dosenbach, R. A. T., Fox, M. D., Snyder, A. Z., Vincent, J. L., Raichle, M. E., Schlaggar, B. L., & Petersen, S. E.
2010	<i>Science</i>	Dosenbach, N. U. F.	Nardos, B., Cohen, A. L., Fair, D. A., Power, J. D., Church, J. A., Nelson, S. M., Wig, G. S., Vogel, A. C., Lessov-Schlaggar, C. N., Barnes, K. A., Dubis, J. W., Feczko, E., Coalson, R. S., Pruett, J. R., Barch, D. M., Petersen, S. E., & Schlaggar, B. L.
2015	<i>World Neurosurgery</i>	Dossani, R. H.	Missios, S. & Nanda, A.
2004	<i>Developmental psychobiology</i>	Douglas, L. A.	Varlinskaya, E. I., & Spear, L. P.
2009	<i>Proceedings of the National Academy of Sciences</i>	Dreher, J.-C.	Kohn, P., Kolachana, B., Weinberger, D. R., & Berman, K. F.
2024	<i>Journal of Technology in Behavioral Science</i>	Dreier	Low, Fedor, Durica, & Hamilton

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Distinct brain networks for adaptive and stable task control in humans
Prediction of individual brain maturity using fMRI
The Legacy of Henry Molaison (1926-2008) and the Impact of His Bilateral Mesial Temporal Lobe Surgery on the Study of Human Memory
Rewarding properties of social interactions in adolescent and adult male and female rats: impact of social versus isolate housing of subjects and partners
Variation in dopamine genes influences responsivity of the human reward system.
Adolescents' Self-Regulation of Social Media Use During the Beginning of the COVID-19 Pandemic: An Idiographic Approach

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Dosenbach, N. U. F., Fair, D. A., Miezin, F. M., Cohen, A. L., Wenger, K. K., Dosenbach, R. A. T., Fox, M. D., Snyder, A. Z., Vincent, J. L., Raichle, M. E., Schlaggar, B. L., & Petersen, S. E. (2007). Distinct brain networks for adaptive and stable task control in humans. *Proceedings of the National Academy of Sciences of the United States of America* , 104(26), 11073–11078.
<https://doi.org/10.1073/pnas.0704320104>

Dosenbach, N. U. F., Nardos, B., Cohen, A. L., Fair, D. A., Power, J. D., Church, J. A., Nelson, S. M., Wig, G. S., Vogel, A. C., Lessov-Schlaggar, C. N., Barnes, K. A., Dubis, J. W., Feczko, E., Coalson, R. S., Pruett, J. R., Barch, D. M., Petersen, S. E., & Schlaggar, B. L. (2010). Prediction of individual brain maturity using fMRI. *Science* , 329(5997), 1358–1361.
<https://doi.org/10.1126/science.1194144>

Dossani, R. H., Missios, S., & Nanda, A. (2015). The Legacy of Henry Molaison (1926-2008) and the Impact of His Bilateral Mesial Temporal Lobe Surgery on the Study of Human Memory. *World Neurosurgery* , 84(4), 1127–1135.
<https://doi.org/10.1016/j.wneu.2015.04.031>

Douglas, L. A., Varlinskaya, E. I., & Spear, L. P. (2004). Rewarding properties of social interactions in adolescent and adult male and female rats: impact of social versus isolate housing of subjects and partners. *Developmental psychobiology*, 45(3), 153–162. <https://doi.org/10.1002/dev.20025>

Dreher, J.-C., Kohn, P., Kolachana, B., Weinberger, D. R., & Berman, K. F. (2009). Variation in dopamine genes influences responsivity of the human reward system. *Proceedings of the National Academy of Sciences* , 106(2), 617–622.
<https://doi.org/10.1073/pnas.0805517106>

Dreier, M. J., Low, C. A., Fedor, J., Durica, K. C., & Hamilton, J. L. (2024). Adolescents' Self-Regulation of Social Media Use During the Beginning of the COVID-19 Pandemic: An Idiographic Approach. *Journal of Technology in Behavioral Science* .
<https://doi.org/10.1007/s12558-023-09905-5>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2012	<i>Science Direct</i>	Drouin, M.	Kaise, D; Miller, D
2018	<i>Computers in Human Behavior</i>	Du, J.	van Koningsbruggen, G. M., & Kerkhof, P.
2018	<i>Journal of youth and adolescence</i>	Duell, N.	Steinberg, L., Icenogle, G., Chein, J., Chaudhary, N., Di Giunta, L., Dodge, K.A., Fanti, K.A., Lansford, J.E., Oburu, P., Pastorelli, C., Skinner, A.T., Sorbring, E., Tapanya, S., Uribe Tirado, L.M., Peña Alampay, L., Al-Hassan, S.M., Takash, H.M.S., Bacchini, D., & Chang, L.
2022	<i>International Journal of Behavioral Development</i>	Duell, N†.	Clayton, M.G., Telzer, E.H., & Prinstein, M.J.
2022	<i>Developmental Cognitive Neuroscience</i>	Duell, N†.	Kwon, S†., Do, K.D†., Turpyn, C.C†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Social Cognitive and Affective Neuroscience</i>	Duell, N†.	Perino, M.T†., McCormick, E.M†., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Phantom vibrations among undergraduates: Prevalence and associated psychological characteristics
A brief measure of social media self-control failure
Age patterns in risk taking across the world
Measuring peer influence susceptibility to alcohol use: Preliminary evidence for convergent and predictive validity of a new analogue assessment
Positive risk taking and neural sensitivity to risky decision making in adolescence
Differential processing of risk and reward in delinquent and non-delinquent youth

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Drouin, M., Kaiser, D. H., & Miller, D. A. (2012). Phantom vibrations among undergraduates: Prevalence and associated psychological characteristics. *Computers in Human Behavior*, 28 (4), 1490–1496.
<https://doi.org/10.1016/j.chb.2012.03.013>

Du, J., van Koningsbruggen, G. M., & Kerkhof, P. (2018). A brief measure of social media self-control failure. *Computers in Human Behavior*, 84, 68–75. <https://doi.org/10.1016/j.chb.2018.02.002>

Duell, N., Steinberg, L., Icenogle, G., Chein, J., Chaudhary, N., Di Giunta, L., Dodge, K.A., Fanti, K.A., Lansford, J.E., Oburu, P., Pastorelli, C., Skinner, A.T., Sorbring, E., Tapanya, S., Uribe Tirado, L.M., Peña Alampay, L., Al-Hassan, S.M., Takash, H.M.S., Bacchini, D., & Chang, L. (2018). Age patterns in risk taking across the world. *Journal of youth and adolescence*, 47, 1052-1072.

Duell, N†., Clayton, M.G., Telzer, E.H., & Prinstein, M.J. (2022). Measuring peer influence susceptibility to alcohol use: Preliminary evidence for convergent and predictive validity of a new analogue assessment. *International Journal of Behavioral Development*, 46(3), 190–199. <https://doi.org/10.1177/0165025420965729>

Duell, N†., Kwon, S†., Do, K.D†., Turpyn, C.C†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2022). Positive risk taking and neural sensitivity to risky decision making in adolescence. *Developmental Cognitive Neuroscience*, 57, 101142.
<https://doi.org/10.1016/j.dcn.2022.101142>

Duell, N†., Perino, M.T†., McCormick, E.M†., & Telzer, E.H. (2023). Differential processing of risk and reward in delinquent and non-delinquent youth. *Social Cognitive and Affective Neuroscience*, 18, nsad040. <https://doi.org/10.1093/scan/nsad040>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Developmental Cognitive Neuroscience</i>	Duell, N†.	van Hoorn, J†., McCormick, E.M†., Prinstein, M.J., & Telzer, E.H.
2020	<i>Computers in Human Behavior</i>	Dumas, T. M.	Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W.
2020	<i>Computers in Human Behavior</i>	Dumas	Maxwell-Smith, Tremblay, Litt, Ellis
2017	<i>Computers in Human Behavior</i>	Dumas	Maxwell-Smith, Davis, Giulietti
2022	<i>Computers in Human Behavior</i>	Dumas	Tremblay, Ellis, Millett, Maxwell-Smith
2020	<i>The Journal of Social Media in Society.</i>	Dunn T.	Langlais M.
2020	<i>Health Promot Perspect</i>	Duran-Becerra, B.	et. al.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Hormonal and neural correlates of prosocial conformity in adolescents
Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem
Gaining likes, but at what cost? Longitudinal relations between young adults' deceptive like-seeking on instagram, peer belonging and self-esteem
Lying or longing for likes? Narcissism, peer belonging, loneliness and normative versus deceptive like-seeking on Instagram in emerging adulthood
Does pressure to gain social media attention have consequences for adolescents' friendship closeness and mental health? A longitudinal examination of within-person cross-lagged relations
"Oh, Snap!": A Mixed-Methods Approach to Analyzing the Dark Side of Snapchat.
Climate change on YouTube: A potential platform for youth learning.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Duell, N†., van Hoorn, J†., McCormick, E.M†., Prinstein, M.J., & Telzer, E.H. (2021). Hormonal and neural correlates of prosocial conformity in adolescents. <i>Developmental Cognitive Neuroscience</i> , 48, 100936. https://doi.org/10.1016/j.dcn.2021.100936</p>
<p>Dumas, T. M., Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W. (2020). Gaining likes, but at what cost? Longitudinal relations between young adults’ deceptive like-seeking on instagram, peer belonging and self-esteem. <i>Computers in Human Behavior</i> , 112, 106467. https://doi.org/10.1016/j.chb.2020.106467</p>
<p>Dumas, T. M., Maxwell-Smith, M. A., Tremblay, P. F., Litt, D. M., & Ellis, W. (2020). Gaining likes, but at what cost? Longitudinal relations between young adults’ deceptive like-seeking on instagram, peer belonging and self-esteem. <i>Computers in Human Behavior</i> , 112 , 106467. https://doi.org/10.1016/j.chb.2020.106467</p>
<p>Dumas, T. M., Maxwell-Smith, M., Davis, J. P., & Giulietti, P. A. (2017). Lying or longing for likes? Narcissism, peer belonging, loneliness and normative versus deceptive like-seeking on Instagram in emerging adulthood. <i>Computers in Human</i></p>
<p>Dumas, T. M., Tremblay, P. F., Ellis, W., Millett, G., & Maxwell-Smith, M. A. (2022). Does pressure to gain social media attention have consequences for adolescents’ friendship closeness and mental health? A longitudinal examination of within-person cross-lagged relations. <i>Computers in Human Behavior</i> , 140 , 107591. https://doi.org/10.1016/j.chb.2022.107591</p>
<p>Dunn, T. R., & Langlais, M. R. (2020). “Oh, Snap!”: A Mixed-Methods Approach to Analyzing the Dark Side of Snapchat. <i>The Journal of Social Media in Society</i> , 9 (2), 69–104. https://thejsms.org/index.php/JSMS/article/view/633</p>
<p>Duran-Becerra, B., et. al. (2020). Climate change on YouTube: A potential platform for youth learning. <i>Health Promot Perspect</i>, 10(3), 282-286. https://doi.org/10.34172/hpp.2020.42</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Journal of Adolescence</i>	Dyer	Coyne, Gale, & Sheppard
1999	<i>The Future of children</i>	Eccles J. S.	N/A
2022	<i>Developmental Cognitive Neuroscience</i>	Eckstein, M. K.	Master, S. L., Dahl, R. E., Wilbrecht, L., & Collins, A. G.
2011	<i>International Journal of Methods in Psychiatric Research</i>	Egger, H. L.	Pine, D. S., Nelson, E., Leibenluft, E., Ernst, M., Towbin, K. E., & Angold, A.
2020	<i>Journal of Research on Adolescence</i>	Ehrenreich, S. E.	Beron, K. J., Burnell, K., Meter, D. J., & Underwood, M. K.
2021	<i>Journal of Research on Adolescence</i>	Ehrenreich, S. E.	George, M. J., Burnell, K., & Underwood, M. K.
2011	<i>American Psychological Association</i>	Eisenberger, N. I.	N/A
1967	<i>Child Development</i>	Elkind, D.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Who's most at risk? A person-centered approach to understanding the long-term relationship between early social media use and later depression across adolescence
The development of children ages 6 to 14
Reinforcement learning and Bayesian inference provide complementary models for the unique advantage of adolescents in stochastic reversal
The NIMH Child Emotional Faces Picture Set (NIMH-ChEFS): A new set of children's facial emotion stimuli.
How adolescents use text messaging through the day and through their high school years
Importance of digital communication in adolescents' development: Theoretical and empirical advancements in the last decade
The neural basis of social pain: Findings and implications. In G. MacDonald & L. A. Jensen-Campbell (Eds.), Social pain: Neuropsychological and health implications of loss and exclusion. (pp. 53–78)
Egocentrism in Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Dyer, W.J., Coyne, S. M., Gale, M., & Sheppard, J.A. (2024). Who's most at risk? A person-centered approach to understanding the long-term relationship between early social media use and later depression across adolescence. *Journal of Adolescence* .
<https://doi.org/10.1002/jad.12362>

Eccles J. S. (1999). The development of children ages 6 to 14. The Future of children, 9(2), 30–44.

Eckstein, M. K., Master, S. L., Dahl, R. E., Wilbrecht, L., & Collins, A. G. (2022). Reinforcement learning and Bayesian inference provide complementary models for the unique advantage of adolescents in stochastic reversal. *Developmental Cognitive Neuroscience*, 55, 101106.

Egger, H. L., Pine, D. S., Nelson, E., Leibenluft, E., Ernst, M., Towbin, K. E., & Angold, A. (2011). The NIMH Child Emotional Faces Picture Set (NIMH-ChEFS): A new set of children's facial emotion stimuli. *International Journal of Methods in Psychiatric Research*, 20(3), 145–156. <https://doi.org/10.1002/mpr.343>

Ehrenreich, S. E., Beron, K. J., Burnell, K., Meter, D. J., & Underwood, M. K. (2020). How adolescents use text messaging through the day and through their high school years. *Journal of Research on Adolescence* , 30, 521-540.

Ehrenreich, S. E., George, M. J., Burnell, K., & Underwood, M. K. (2021). Importance of digital communication in adolescents' development: Theoretical and empirical advancements in the last decade. *Journal of Research on Adolescence* , 31, 928-943.

Eisenberger, N. I. (2011). The neural basis of social pain: Findings and implications. In G. MacDonald & L. A. Jensen-Campbell (Eds.), *Social pain: Neuropsychological and health implications of loss and exclusion*. (pp. 53–78). *American Psychological Association* . <https://doi.org/10.1037/12351-002>

Elkind, D. (1967). Egocentrism in Adolescence. *Child Development* , 38(4), 1025. <https://doi.org/10.2307/1127100>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Media Psychology</i>	Ellithorpe	Eden, Ulusoy, Wirz, Grady
2020	<i>Body Image</i>	Engeln	Loach, Imundo, Zola
2022	<i>Proceedings of the 2022 Conference on Human Factors in Computing Systems</i>	Ernala	Burke, Leavitt, & Ellison
2022	<i>Personality and Individual Differences</i>	Etherson	Curran, Smith, Sherry, Hill
1982	<i>Psychopharmacology</i>	Ettenberg, A.	Pettit, H. O., Bloom, F. E., & Koob, G. F.
2021	<i>Body Image</i>	Evens	Stutterheim, Alleva
2020	<i>Addictive Behaviors</i>	Fabris	Marengo, Longobardi, Sttanni

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Is Bedtime Media Use Good or Bad? A Competitive Analysis Between the Sleep Displacement Hypothesis and the Media Recovery Hypothesis
Compared to Facebook, Instagram use causes more appearancecomparison and lower body satisfaction in college women
Mindsets Matter: How Beliefs About Facebook Moderate the Association Between Time Spent and Well-Being
Perfectionism as a vulnerability following appearance-focussed social comparison: A multi-wave study with female adolescents
Heroin and cocaine intravenous self-administration in rats: mediation by separate neural systems
Protective filtering: A qualitative study on the cognitive strategies young women use to promote positive body image in the face of beauty-ideal imagery on Instagram
Investigating the links between fear of missing out, social media addiction, and emotional symptoms in adolescence: The role of stress associated with neglect and negative reactions on social media.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Ellithorpe, M. E., Eden, A., Ulusoy, E., Wirz, D., & Grady, S. (2024). Is Bedtime Media Use Good or Bad? A Competitive Analysis Between the Sleep Displacement Hypothesis and the Media Recovery Hypothesis. <i>Media Psychology</i> , 1–32. https://doi.org/10.1080/15213269.2024.2400571
Engeln, R., Loach, R., Imundo, M. N., & Zola, A. (2020). Compared to facebook, instagram use causes more appearance comparison and lower body satisfaction in college women. <i>Body Image</i> , 31, 101611. https://doi.org/10.1016/j.bodyim.2020.101611
Ernala, S. K., Burke, M., Leavitt, A., & Ellison, N. B. (2022). Mindsets Matter: How Beliefs About Facebook Moderate the Association Between Time Spent and Well-Being. <i>CHI Conference on Human Factors in Computing Systems</i> . https://doi.org/10.1145/3491102.3517569
Etherson, M. E., Curran, T., Smith, M. M., Sherry, S. B., & Hill, A. P. (2022). Perfectionism as a vulnerability following appearance-focussed social comparison: A multi-wave study with female adolescents. <i>Personality and Individual Differences</i> , 186, 111355. https://doi.org/10.1016/j.paid.2021.111355
Ettenberg, A., Pettit, H. O., Bloom, F. E., & Koob, G. F. (1982). Heroin and cocaine intravenous self-administration in rats: mediation by separate neural systems. <i>Psychopharmacology</i> , 78(3), 204–209. https://doi.org/10.1007/BF00428151
Evens, O., Stutterheim, S. E., & Alleva, J. M. (2021). Protective filtering: A qualitative study on the cognitive strategies young women use to promote positive body image in the face of beauty-ideal imagery on Instagram. <i>Body Image</i> , 39, 40–52. https://doi.org/10.1016/j.bodyim.2021.06.002
Fabris, M. A., Marengo, D., Longobardi, C., & Settanni, M. (2020). Investigating the Links between Fear of Missing Out, Social Media Addiction, and Emotional Symptoms in Adolescence: The Role of Stress Associated with Neglect and Negative Reactions on Social Media. <i>Addictive Behaviors</i> , 106 (106364), 106364. https://doi.org/10.1016/j.addbeh.2020.106364

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2003	<i>Annals of the New York Academy of Sciences</i>	Fagen, Z. M.	Mansvelder, H. D., Keath, J. R., & McGehee, D. S.
2018	<i>New Media & Society</i>	Fardouly	Holland
2019	<i>Body Image</i>	Fardouly	Rapee
2015	<i>Body Image</i>	Fardouly, J.	Vartanian, L. R.
2015	<i>Body Image</i>	Fardouly	Vartanian
2024	<i>Body Image</i>	Fardouly	Levin, Vartanian, Rapee
2018	<i>Journal of Youth and Adolescence</i>	Fardouly	Magson, Johnco, Oar, Rapee

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Short- and long-term modulation of synaptic inputs to brain reward areas by nicotine
Social media is not real life: The effect of attaching disclaimer-type labels to idealized social media images on women's body image and mood
The impact of no-makeup selfies on young women's body image
Negative comparisons about one's appearance mediate the relationship between Facebook usage and body image concerns
Negative comparisons about one's appearance mediate the relationship between Facebook usage and body image concerns
Isolating the effects of body size and sexualisation in social media images on body image-related constructs among young women
Parental Control of the Time Preadolescents Spend on Social Media: Links with Preadolescents' Social Media Appearance Comparisons and Mental Health

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fagen, Z. M., Mansvelder, H. D., Keath, J. R., & McGehee, D. S. (2003). Short- and long-term modulation of synaptic inputs to brain reward areas by nicotine. <i>Annals of the New York Academy of Sciences</i> , 1003, 185–195. https://doi.org/10.1196/annals.1300.011
Fardouly, J., & Holland, E. (2018). Social media is not real life: The effect of attaching disclaimer-type labels to idealized social media images on women’s body image and mood. <i>New Media & Society</i> , 20(11), 4311–4328. https://doi.org/10.1177/1461444818771083
Fardouly, J., & Rapee, R. M. (2019). The Impact of no-makeup Selfies on Young Women’s Body Image. <i>Body Image</i> , 28, 128–134. https://doi.org/10.1016/j.bodyim.2019.01.006
Fardouly, J., & Vartanian, L. R. (2015). Negative comparisons about one’s appearance mediate the relationship between Facebook usage and body image concerns. <i>Body Image</i> , 12, 82–88. https://doi.org/10.1016/j.bodyim.2014.10.004
Fardouly, J., & Vartanian, L. R. (2015). Negative Comparisons about one’s appearance Mediate the relationship between Facebook Usage and body Image concerns. <i>Body Image</i> , 12 (1), 82–88. https://doi.org/10.1016/j.bodyim.2014.10.004
Fardouly, J., Levin, T., Vartanian, L. R., & Rapee, R. M. (2024). Isolating the effects of body size and sexualisation in social media images on body image-related constructs among young women. <i>Body Image</i> , 51, 101800–101800. https://doi.org/10.1016/j.bodyim.2024.101800
Fardouly, J., Magson, N. R., Johnco, C. J., Oar, E. L., & Rapee, R. M. (2018). Parental Control of the Time Preadolescents Spend on Social Media: Links with Preadolescents’ Social Media Appearance Comparisons and Mental Health. <i>Journal of Youth and Adolescence</i> , 47 (7), 1456–1468. https://doi.org/10.1007/s10964-018-0870-1

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Journal of Clinical Psychology</i>	Fardouly	Magson, Rapee, Johnco, Oar
2017	<i>Body Image</i>	Fardouly, J.	Pinkus, R. T., & Vartanian, L. R.
2017	<i>Body Image</i>	Fardouly	Pinkus, Vartanian
2023	<i>Body Image</i>	Fardouly	Slater, Parnell, Diedrichs
2017	<i>New Media & Society</i>	Fardouly	Willburger, Vartanian
2021	<i>Journal of Online Trust and Safety.</i>	Farid H.	N/A
2018	<i>Technology and Innovation.</i>	Farid H.	N/A
2025	<i>Nature Human Behaviour</i>	Fassi, L.	Ferguson, A. M., Przybylski, A. K., Ford, T. J., Orben, A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The use of social media by Australian preadolescents and its links with mental health
The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives
The impact of appearance comparisons made through social media,traditional media, and in person in women's everyday lives
Can following body positive or appearance neutral Facebook pages improve young women's body image and mood? Testing novel social media micro-interventions
Instagram use and young women's body image concerns and self-objectification: Testing mediational pathways
An Overview of Perceptual Hashing.
Reining in Online Abuses.
Social media use in adolescents with and without mental health conditions

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fardouly, J., Magson, N. R., Rapee, R. M., Johnco, C. J., & Oar, E. L. (2020). The use of social media by Australian preadolescents and its links with mental health. <i>Journal of Clinical Psychology</i> , 76 (7), 1304–1326. https://doi.org/10.1002/jclp.22936
Fardouly, J., Pinkus, R. T., & Vartanian, L. R. (2017). The impact of appearance comparisons made through social media, traditional media, and in person in women’s everyday lives. <i>Body Image</i> , 20, 31–39. https://doi.org/10.1016/j.bodyim.2016.11.002
Fardouly, J., Pinkus, R. T., & Vartanian, L. R. (2017). The impact of appearance comparisons made through social media, traditional media, and in person in women's everyday lives. <i>Body image</i> , 20 , 31–39. https://doi.org/10.1016/j.bodyim.2016.11.002
Fardouly, J., Slater, A., Parnell, J., & Diedrichs, P. C. (2023). Can following body positive or appearance neutral Facebook pages improve young women’s body image and mood? Testing novel social media micro-interventions. <i>Body Image</i> , 44 , 136–147. https://doi.org/10.1016/j.bodyim.2022.12.008
Fardouly, J., Willburger, B. K., & Vartanian, L. R. (2017). Instagram use and young women’s body image concerns and self-objectification: Testing mediational pathways. <i>New Media & Society</i> , 20(4), 1380-1395. https://doi.org/10.1177/1461444817694499
Farid H. (2021). An Overview of Perceptual Hashing. <i>Journal of Online Trust and Safety</i> , 1(1).
Farid, H. (2018). Reining in Online Abuses. <i>Technology & Innovation</i> , 19 (3), 593–599. https://doi.org/10.21300/19.3.2018.593
Fassi, L., Ferguson, A. M., Przybylski, A. K., Ford, T. J., & Orben, A. (2025). Social media use in adolescents with and without mental health conditions. <i>Nature Human Behaviour</i> . https://doi.org/10.1038/s41562-025-02134-4

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>JAMA Pediatrics</i>	Fassi	Thomas, K., Parry, D. A., Leyland-Craggs, A., Ford, T. J., & Orben, A.
2023	<i>Body Image</i>	Fatt, S. J.	Fardouly, J.
2023	<i>Body Image</i>	Fatt	Fardouly
2019	<i>New Media & Society</i>	Fatt	Fardouly, Rapee
2023	<i>Technology, Mind, and Behavior</i>	Faulhaber, M. E.	Lee, J. E., & Gentile, D. A.
2024	<i>Pew Research Center</i>	Faverio, M.	Faverio, M., Sidoti, O.
2000	<i>Journal of Economic Perspectives.</i>	Fehr E.	Gächter S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social Media Use and Internalizing Symptoms in Clinical and Community Adolescent Samples A Systematic Review and Meta-Analysis
Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns
Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents' body image concerns
#malefitspo: Links between viewing fitspiration posts, muscular-ideal internalisation, appearance comparisons, body satisfaction, and exercise motivation in men
The Effect of Self-Monitoring Limited Social Media Use on Psychological Well-Being
Teens, Social Media and Technology 2024
Fairness and Retaliation: The Economics of Reciprocity.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fassi, L., Thomas, K., Parry, D. A., Leyland-Craggs, A., Ford, T. J., & Orben, A. (2024). Social Media Use and Internalizing Symptoms in Clinical and Community Adolescent Samples: A Systematic Review and Meta-Analysis. <i>JAMA pediatrics</i> , 178 (8), 814–822. https://doi.org/10.1001/jamapediatrics.2024.2078
Fatt, S. J., & Fardouly, J. (2023). Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents’ body image concerns. <i>Body Image</i> , 47, 101621. https://doi.org/10.1016/j.bodyim.2023.101621
Fatt, S. J., & Fardouly, J. (2023). Digital social evaluation: Relationships between receiving likes, comments, and follows on social media and adolescents’ body image concerns. <i>Body Image</i> , 47 , 101621. https://doi.org/10.1016/j.bodyim.2023.101621
Fatt, S. J., Fardouly, J., & Rapee, R. M. (2019). #malefitspo: Links between viewing fitspiration posts, muscular-ideal internalisation, appearance comparisons, body satisfaction, and exercise motivation in men. <i>New Media & Society</i> , 21(6), 1311-1325. https://doi.org/10.1177/1461444818821064
Faulhaber, M. E., Lee, J. E., & Gentile, D. A. (2023). The Effect of Self-Monitoring Limited Social Media Use on Psychological Well-Being. <i>Technology, Mind, and Behavior</i> , 4 (2). https://doi.org/10.1037/tmb0000111
Faverio, M., Sidoti, O. (2024). Teens, Social Media and Technology 2024, Pew Research Center , https://www.pewresearch.org/internet/2024/12/12/teens-social-media-and-technology-2024 .
Fehr E, Gächter S. (2000). Fairness and Retaliation: The Economics of Reciprocity. <i>Journal of Economic Perspectives</i> . 14. 159-181.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
(in press)	<i>Social Cognitive and Affective Neuroscience</i>	Feldman, M.J†*.	Capella, J†*., Bonar, A.S†., Dai, J†., Field, N†., Lewis, K., Prinstein, M., Telzer, E.H., Lindquist, K.A.
2018	<i>Computers & Education</i>	Felisoni, D. D.	Godoi, A. S.
2018	<i>Sex Roles</i>	Feltman	Szymanski
2023	<i>The Journal of Psychology</i>	Ferdousi, J. S.	Bradley, G. L. & Carlini, J.
2024	<i>Psychology of Popular Media</i>	Ferguson, C. J.	N/A
2025	<i>Psychology of Popular Media</i>	Ferguson	N/A
2025	<i>Professional Psychology: Research and Practice</i>	Ferguson, C. J.	Kaye, L. K., Branley-Bell, D., & Markey, P.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Proximity within real world adolescent peer networks predicts neural similarity during affective experience
Cell phone usage and academic performance: An experiment.
Instagram Use and Self-Objectification: The Roles of Internalization, Comparison, Appearance Commentary, and Feminism
Through Thick and Thin: Exposure to Instagram Advertisements and Willingness to Engage in Appearance-Altering Practices
Do social media experiments prove a link with mental health: A methodological and meta-analytic review
Do Social Media Experiments Prove a Link With Mental Health
There is no evidence that time spent on social media is correlated with adolescent mental health problems: Findings from a meta-analysis.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Feldman, M.J†*, Capella, J†*, Bonar, A.S†., Dai, J†., Field, N†., Lewis, K., Prinstein, M., Telzer, E.H., Lindquist, K.A (in press) Proximity within real world adolescent peer networks predicts neural similarity during affective experience. <i>Social Cognitive and Affective Neuroscience</i> . *denotes equal first authorship
Felisoni, D. D., & Godoi, A. S. (2018). Cell phone usage and academic performance: An experiment. <i>Computers & Education</i> , 117, 175–187. https://doi.org/10.1016/j.compedu.2017.10.006
Feltman, C. E., & Szymanski, D. M. (2018). Instagram Use and Self-Objectification: The Roles of Internalization, Comparison, Appearance Commentary, and Feminism. <i>Sex Roles</i> , 78 (5-6), 311–324. https://doi.org/10.1007/s11199-017-0796-1
Ferdousi, J. S., Bradley, G. L., & Carlini, J. (2023). Through Thick and Thin: Exposure to Instagram Advertisements and Willingness to Engage in Appearance-Altering Practices. <i>The Journal of Psychology</i> , 157(6), 367–388. https://doi.org/10.1080/00223980.2023.2221014
Ferguson, C. J. (2024). Do social media experiments prove a link with mental health: A methodological and meta-analytic review. <i>Psychology of Popular Media</i> . https://doi.org/10.1037/ppm0000541 .
Ferguson, C. J. (2025). Do social media experiments prove a link with mental health: A methodological and meta-analytic review. <i>Psychology of Popular Media</i> , 14(2), 201–206. https://doi.org/10.1037/ppm0000541
Ferguson, C. J., Kaye, L. K., Branley-Bell, D., & Markey, P. (2025). There is no evidence that time spent on social media is correlated with adolescent mental health problems: Findings from a meta-analysis. <i>Professional Psychology: Research and Practice</i> , 56(1), 73–83. https://doi.org/10.1037/pro0000589

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Professional Psychology: Research and Practice</i>	Ferguson, C. J.	Kaye, L. K., Branley-Bell, D., Markey, P., Ivory, J. D., Klisanin, D., Elson, M., Smyth, M., Hogg, J. L., McDonnell, D., Nichols, D., Siddiqui, S., Gregerson, M., & Wilson, J.
2024	<i>Affective Science</i>	Ferguson	Hawes, Mogle, Scott, & Klein
2008	<i>J. Neurochem</i>	Ferre, S.	N/A
2016	<i>Psychopharmacology</i>	Ferré, S.	N/A
1957	<i>Schedules of Reinforcement.</i>	Ferster, C. B.	Skinner, B. F.
1954	<i>Human Relations</i>	Festinger, L.	N/A
2023	<i>Journal of Research on Adolescence</i>	Field	Nick, Massing-Schaffer, Fox, Nesi, Prinstein
2024	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Field, N. H.	Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Like this meta-analysis: Screen media and mental health
Social Media Activities and Affective Well-being in the Daily Life of Emerging Adults
An update on the mechanisms of the psychostimulant effects of caffeine.
Mechanisms of the psychostimulant effects of caffeine: Implications for substance use disorders.
Schedules of Reinforcement.
A theory of social comparison processes
High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern
High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Ferguson, C. J., Kaye, L. K., Branley-Bell, D., Markey, P., Ivory, J. D., Klisanin, D., Elson, M., Smyth, M., Hogg, J. L., McDonnell, D., Nichols, D., Siddiqui, S., Gregerson, M., & Wilson, J. (2022). Like this meta-analysis: Screen media and mental health. *Professional Psychology: Research and Practice*, 53(2), 205–214. <https://doi.org/10.1037/pro0000426>

Ferguson, G., Hawes, M. T., Mogle, J., Scott, S. B., & Klein, D. N. (2024). Social Media Activities and Affective Well-being in the Daily Life of Emerging Adults. *Affective Science*, 5 (4), 358–365. <https://doi.org/10.1007/s42761-024-00251-3>

Ferre, S. (2008). An update on the mechanisms of the psychostimulant effects of caffeine. *J. Neurochem* 105:1067-1079. doi: 10.1111/j.1471-4159.2007.05196.x

Ferré, S. (2016). Mechanisms of the psychostimulant effects of caffeine: Implications for substance use disorders. *Psychopharmacology*, 233(10), 1963–1979. <https://doi.org/10.1007/s00213-016-4212-2>

Ferster, C. B., & Skinner, B. F. (1957). Schedules of Reinforcement.

Festinger L (1954). A theory of social comparison processes. *Human Relations*, 7(2), 117–140.

Field, N. H., Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J. (2023). High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern. *Journal of Research on Adolescence*, 34 (1), 114–126. <https://doi.org/10.1111/jora.12904>

Field, N. H., Nick, E. A., Massing-Schaffer, M., Fox, K. A., Nesi, J., & Prinstein, M. J. (2024). High and low levels of adolescent peer status are associated longitudinally with socioevaluative concern. *Journal of Research on Adolescence : The Official Journal of the Society for Research on Adolescence*, 34(1), 114–126. <https://doi.org/10.1111/jora.12904>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
(in press)	<i>Developmental Psychology</i>	Field, N.H.	Balkind, E., Burnell, K., Fox, K.A., Feldman, M.J., Nick, E.A., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.
2023	<i>Child Development</i>	Field, N.H.	Choukas-Bradley, S., Giletta, M., Telzer, E.H., Cohen, G., & Prinstein, M.J.
2022	<i>Adolescent Research Review</i>	Fioravanti, G.	Bocci Benucci, S., Ceragioli, G., & Casale, S.
2019	<i>Cyberpsychology, Behavior, and Social Networking</i>	Fioravanti, G.	Prostamo, A., & Casale, S.
2021	<i>New Media & Society</i>	Fioravanti	Svicher, Ceragioli, Bruni, Casale
2021	<i>Scandinavian Journal of Psychology</i>	Fioravanti	Tonioni, Casale
2024	<i>Psychology of Popular Media</i>	Firasta	Vani, Lucibello, Sabiston

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Popularity, but not likability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence
Why adolescents conform to high-status peers: Associations among conformity, identity alignment, and self-esteem
How the exposure to beauty ideals on social networking sites influences body image: A systematic review of experimental studies
Taking a Short Break from Instagram: The Effects on Subjective Well-Being
Examining the impact of daily exposure to body-positive and fitspiration Instagram content on young women's mood and body image: An intensive longitudinal study
#Fitspiration on Instagram: The effects of fitness-related images on women's self-perceived sexual attractiveness
Understanding Social Media Appearance Preoccupation: The Role of Body Image Emotions

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Field, N.H., Balkind, E., Burnell, K., Fox, K.A., Feldman, M.J., Nick, E.A., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (in press). Popularity, but not likability, as a risk factor for low empathy: A longitudinal examination of within- and between-person effects of peer status and empathy in adolescence. <i>Developmental Psychology</i>. https://doi.org/10.1037/dev0001914</p>
<p>Field, N†., Choukas-Bradley, S., Giletta, M., Telzer, E.H., Cohen, G., & Prinstein, M.J. (2023). Why adolescents conform to high-status peers: Associations among conformity, identity alignment, and self-esteem. <i>Child Development</i>, 95, 879-894. http://doi.org/10.1111/cdev.14038</p>
<p>Fioravanti, G., Bocci Benucci, S., Ceragioli, G., & Casale, S. (2022). How the exposure to beauty ideals on social networking sites influences body image: A systematic review of experimental studies. <i>Adolescent Research Review</i> , 7(3), 419–458. https://doi.org/10.1007/s10925-022-00170-1</p>
<p>Fioravanti, G., Prostamo, A., & Casale, S. (2019). Taking a Short Break from Instagram: The Effects on Subjective Well-Being. <i>Cyberpsychology, Behavior, and Social Networking</i> , 23 (2). https://doi.org/10.1089/cyber.2019.0400</p>
<p>Fioravanti, G., Svicher, A., Ceragioli, G., Bruni, V., & Casale, S. (2021). Examining the impact of daily exposure to body-positive and fitspiration Instagram content on young women’s mood and body image: An intensive longitudinal study. <i>New Media & Society</i>, 25(12), 3266-3288. https://doi.org/10.1177/14614448211038904</p>
<p>Fioravanti, G., Tonioni, C., & Casale, S. (2021). #Fitspiration on Instagram: The effects of fitness-related images on women’s self-perceived sexual attractiveness. <i>Scandinavian Journal of Psychology</i> , 62 (5). https://doi.org/10.1111/sjop.12752</p>
<p>Firasta, L., Vani, M. F., Lucibello, K. M., & Sabiston, C. M. (2024). Understanding social media appearance preoccupation: The role of body image emotions. <i>Psychology of Popular Media</i>. Advance online publication. https://doi.org/10.1037/ppm0000559</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2004	<i>Cellular and Molecular Life Sciences CMLS</i>	Fisone, G.	Borgkvist, A., & Usiello, A.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., †Kwon, S.-J., †Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social cognitive and affective neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Flannery, J. S.	Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H.
2022	<i>Elsevier</i>	Flannery, J. S.	Maza, M. T., Kilic, Z., & Telzer, E. H.
2017	<i>Developmental Cognitive Neuroscience</i>	Flannery, J.	Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D., Telzer, E.H., Humphreys, K., Lumian, D., Tottenham, N.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Caffeine as a psychomotor stimulant: Mechanism of action.
Developmental changes in brain function linked with addiction-like social media use two years later
Developmental changes in brain function linked with addiction-like social media use two years later
Developmental changes in brain function linked with addiction-like social media use two years later
Developmental changes in brain function linked with addiction-like social media use two years later.
Cascading bidirectional influences of digital media use and mental health in adolescence
Diurnal cortisol after early institutional care - Age matters

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fisone, G., Borgkvist, A., & Usiello, A. (2004). Caffeine as a psychomotor stimulant: Mechanism of action. <i>Cellular and Molecular Life Sciences CMLS</i> , 61(7), 857–872. https://doi.org/10.1007/s00018-003-3269-3
Flannery, J. S., Burnell, K., †Kwon, S.-J., †Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. <i>Social Cognitive and Affective Neuroscience</i> , 19, nsae008.
Flannery, J. S., Burnell, K., Kwon, S. J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. <i>Social cognitive and affective neuroscience</i> , 19(1), nsae008. https://doi.org/10.1093/scan/nsae008
Flannery, J. S., Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. <i>Social Cognitive and Affective Neuroscience</i> , 19(1). https://doi.org/10.1093/scan/nsae008
Flannery, J. S., Burnell, K., Kwon, S.-J., Jorgensen, N. A., Prinstein, M. J., Lindquist, K. A., & Telzer, E. H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. <i>Social Cognitive and Affective Neuroscience</i> , 19(1). https://doi.org/10.1093/scan/nsae008
Flannery, J. S., Maza, M. T., Kilic, Z., & Telzer, E. H. (2022). Cascading bidirectional influences of digital media use and mental health in adolescence. <i>Elsevier</i> . https://doi.org/10.1016/bs.acdb.2022.10.003
Flannery, J., Gabard-Durnam, L., Shapiro, M., Goff, B., Caldera, C., Louie, J., Gee, D., Telzer, E.H., Humphreys, K., Lumian, D., Tottenham, N. (2017). Diurnal cortisol after early institutional care - Age matters. <i>Developmental Cognitive Neuroscience</i> , 25, 160-166. https://doi.org/10.1016/j.dcn.2017.03.006

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Social Cognitive Affective Neuroscience</i>	Flannery, J.S†.	Burnell, K., Kwon, S†., Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Biological Psychiatry</i>	Flannery, J.S†.	Jorgensen, N.A†., Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A.
2023	<i>Advances in Child Development and Behavior</i>	Flannery, J.S†.	Maza, M.T†., Kilic, Z†., & Telzer, E.H.
2025	<i>PPM</i>	Flynn	Newman
2024	<i>Vox</i>	Ford, C.	N/A
2023	<i>Addictive Behaviors</i>	Fournier, L.	Schimmenti, A., Musetti, A., Boursier, V., Flayelle, M., Cataldo, I., Starcevic, V., & Billieux, J.
2021	<i>Journal of Research on Adolescence</i>	Fowler, C.H†.	Lin, L.C†., Rudolph, K.D., Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Developmental changes in brain function linked with addiction-like social media use two years later
Developmental changes in habenular and striatal social reinforcement responsivity across adolescence linked with substance use
Cascading bidirectional influences of digital media use and mental health in adolescence
Viewing Before and After Weight Loss Transformation Images Online: The Impact on Young Women’s Mood, Body Satisfaction, Self-Objectification, and the Role of Appearance Comparison
Dopamine, explained.
Deconstructing the components model of addiction: An illustration through “addictive” use of social media
Like me back: Neural correlates of low perceived relational value in peer victimized youth

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Flannery, J.S†., Burnell, K., Kwon, S†., Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Developmental changes in brain function linked with addiction-like social media use two years later. *Social Cognitive Affective Neuroscience*, 19, nsae008. <https://doi.org/10.1093/scan/nsae008>

Flannery, J.S†., Jorgensen, N.A†., Kwon, S†., Prinstein, M.J., Telzer, E.H., & Lindquist, K.A. (2023). Developmental changes in habenular and striatal social reinforcement responsivity across adolescence linked with substance use. *Biological Psychiatry*, 94, 888-897. <https://doi.org/10.1016/j.biopsych.2023.04.018>

Flannery, J.S†., Maza, M.T†., Kilic, Z†., & Telzer, E.H. (2023). Cascading bidirectional influences of digital media use and mental health in adolescence. *Advances in Child Development and Behavior*, 64, 255-287. <https://doi.org/10.1016/bs.acdh.2022.10.003>

Flynn, E., & Newman, E. (2025). Viewing before and after weight loss transformation images online: The impact on young women's mood, body satisfaction, self-objectification, and the role of appearance comparison. *Psychology of Popular Media*, 14(1), 90-99. <https://doi.org/10.1037/ppm0000502>

Ford, C. (2024, May 22). Dopamine, explained. *Vox*. <https://www.vox.com/future-perfect/24159087/what-is-dopamine-hacking-fasting-does-it-work-science>

Fournier, L., Schimmenti, A., Musetti, A., Boursier, V., Flayelle, M., Cataldo, I., Starcevic, V., & Billieux, J. (2023). Deconstructing the components model of addiction: An illustration through “addictive” use of social media. *Addictive Behaviors*, 143, 107694. <https://doi.org/10.1016/j.addbeh.2023.107694>

Fowler, C.H†., Lin, L.C†., Rudolph, K.D., Telzer, E.H. (2021). Like me back: Neural correlates of low perceived relational value in peer victimized youth. *Journal of Research on Adolescence*, 31, 435-450. <https://doi.org/10.1111/jora.12615>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Developmental Cognitive Neuroscience</i>	Fowler, C.H†.	Miernicki, M.E†., Rudolph, K.D., & Telzer, E.H.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Fox	Vendemia
2021	<i>Body Image</i>	Fox, J.	Vendemia, M. A., Smith, M. A., & Brehm, N. R.
(in press)	<i>Journal of Clinical Child and Adolescent Psychology</i>	Fox, K.A†.	Nick, E., Nesi, J., Telzer, E.H., & Prinstein, M.J.
2025	<i>Annual Review of Neuroscience</i>	Frank, M. J.	N/A
2022	<i>Journal of Youth and Adolescence</i>	Fredrick	Nickerson, & Livingston
2016	<i>Social Science Computer Review</i>	Frison, E.	Eggermont, S.
2010	<i>Nature Reviews Neurology</i>	Frisoni, G. B.	Fox, N. C., Jack, C. R., Scheltens, P., & Thompson, P. M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Disrupted amygdala-prefrontal connectivity during emotion regulation links stress-reactive rumination and adolescent depressive symptoms
Selective Self-Presentation and Social Comparison Through Photographs on Social Networking Sites
Effects of taking selfies on women's self-objectification, mood, self-esteem, and social aggression toward female peers
Why haven't you texted me back? Adolescents' digital entrapment, friendship conflict, and perceived general health
Adaptive Cost-Benefit Control Fueled by Striatal Dopamine.
Adolescent Social Media Use: Pitfalls and Promises in Relation to Cybervictimization, Friend Support, and Depressive Symptoms
Exploring the relationships between different types of facebook use, perceived online social support, and adolescents' depressed mood
Frisoni, G. B., Fox, N. C., Jack, C. R., Scheltens, P., & Thompson, P. M. (2010). The clinical use of structural MRI in Alzheimer disease. <i>Nature Reviews. Neurology</i> , 6(2), 67–77.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fowler, C.H†., Miernicki, M.E†., Rudolph, K.D., & Telzer, E.H. (2017). Disrupted amygdala-prefrontal connectivity during emotion regulation links stress-reactive rumination and adolescent depressive symptoms. <i>Developmental Cognitive Neuroscience</i> , 27, 99-106. https://doi.org/10.1016/j.dcn.2017.09.002
Fox, J., & Vendemia, M. A. (2016). Selective Self-Presentation and Social Comparison Through Photographs on Social Networking Sites. <i>Cyberpsychology, Behavior, and Social</i>
Fox, J., Vendemia, M. A., Smith, M. A., & Brehm, N. R. (2021). Effects of taking selfies on women's self-objectification, mood, self-esteem, and social aggression toward female peers. <i>Body Image</i> , 36, 193–200. https://doi.org/10.1016/j.bodyim.2020.11.011
Fox, K.A†., Nick, E., Nesi, J., Telzer, E.H., & Prinstein, M.J. (in press). Why haven't you texted me back? Adolescents' digital entrapment, friendship conflict, and perceived general health. <i>Journal of Clinical Child and Adolescent Psychology</i> . https://doi.org/10.1080/15374416.2023.2261543
Frank, M. J. (2025). Adaptive Cost-Benefit Control Fueled by Striatal Dopamine. https://doi.org/10.1146/annurev-neuro-112723-025228
Fredrick, S. S., Nickerson, A. B., & Livingston, J. A. (2022). Adolescent Social Media Use: Pitfalls and Promises in Relation to Cybervictimization, Friend Support, and Depressive Symptoms. <i>Journal of Youth and Adolescence</i> , 51 (2), 361–376. https://doi.org/10.1007/s10964-021-01561-6
Frison, E., & Eggermont, S. (2016). Exploring the relationships between different types of facebook use, perceived online social support, and adolescents' depressed mood. <i>Social Science Computer Review</i> , 34(2), 153–171. https://doi.org/10.1177/0894439314567449
Frisoni, G. B., Fox, N. C., Jack, C. R., Scheltens, P., & Thompson, P. M. (2010). The clinical use of structural MRI in Alzheimer disease. <i>Nature Reviews. Neurology</i> , 6(2), 67–77. https://doi.org/10.1038/nrneurol.2009.215

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2006	<i>Neuron</i>	Frith, C. D.	Frith, U.
2023	<i>Emotion</i>	Fritz	Margolis, Radošic, Revord, Kellerman, Levi Nieminen, Reece, & Lyubomirsky
2024	<i>Health Economics</i>	Fruehwirth	Weng, Perreira
2024	<i>Psychology of Popular Media</i>	Fruhauf	Jones, Kopp, Niedermeier
2024	<i>Children & Society</i>	Frühauf	Roth, Rausch, & Kopp
2021	<i>Journal of Family Psychology</i>	Fry, C.M.	Telzer, E.H. & Rogers, C.R.
2010	<i>The British journal of psychiatry: the journal of mental science</i>	Fu, K. W.	Chan, W. S., Wong, P. W., & Yip, P. S.
2015	<i>Trends in Cognitive Sciences</i>	Fuhrmann, D.	Knoll, L. J. & Blakemore, S.-J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The neural basis of mentalizing
Examining the Social in the Prosocial: Episode-Level Features of Social Interactions and Kind Acts Predict Social Connection and Well-Being
The effect of social media use on mental health of college students during the pandemic
One Fit(Spiration) for All? Gender Differences in Body Satisfaction
Fitspiration—Inspiration or threat for adolescent girls? A qualitative investigation on fitness- related social media content and physical education
Siblings as buffers: Social problems and internalizing and externalizing behaviors across early adolescence
Internet addiction: prevalence, discriminant validity and correlates among adolescents in Hong Kong
Adolescence as a sensitive period of brain development

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Frith, C. D., & Frith, U. (2006). The neural basis of mentalizing. <i>Neuron</i> , 50(4), 531–534. https://doi.org/10.1016/j.neuron.2006.05.001
Fritz, M. M., Margolis, S., Radošić, N., Revord, J. C., Rosen Kellerman, G., Nieminen, L. R. G., Reece, A., & Lyubomirsky, S. (2023). Examining the social in the prosocial: Episode-level features of social interactions and kind acts predict social connection and well-being. <i>Emotion</i> , 23(8), 2270–2285. https://doi.org/10.1037/emo0001232
Fruehwirth, J.C., Weng, A.X., & Perreira, K. M. (2024). The Effect of Social Media Use on Mental Health of College Students during the Pandemic. <i>Health Economics</i> , 33 (10). https://doi.org/10.1002/hec.4871
Frühau, A., Jones, C., Kopp, M., & Niedermeier, M. (2024). One fit(spiration) for all? Gender differences in body satisfaction. <i>Psychology of Popular Media</i> . https://doi.org/10.1037/ppm0000551
Frühau, A., Roth, M., Rausch, L., & Kopp, M. (2024). Fitspiration—Inspiration or threat for adolescent girls? A qualitative investigation on fitness-related social media content and physical education. <i>Children & Society</i> , 38 (6). https://doi.org/10.1111/chso.12879
Fry, C.M., Telzer, E.H., & Rogers, C.R. (2021). Siblings as buffers: Social problems and internalizing and externalizing behaviors across early adolescence. <i>Journal of Family Psychology</i> , 35, 939-949. https://doi.org/10.1037/fam0000876
Fu, K. W., Chan, W. S., Wong, P. W., & Yip, P. S. (2010). Internet addiction: prevalence, discriminant validity and correlates among adolescents in Hong Kong. <i>The British journal of psychiatry : the journal of mental science</i> , 196(6), 486–492. https://doi.org/10.1192/bjp.bp.109.075002
Fuhrmann, D., Knoll, L. J., & Blakemore, S.-J. (2015). Adolescence as a sensitive period of brain development. <i>Trends in Cognitive Sciences</i> , 19(10), 558–566. https://doi.org/10.1016/j.tics.2015.07.008

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Nature</i>	Fuligni, A.J.	Galván, A.
2012	<i>Cambridge University Press</i>	Fuligni, A.J.	Telzer, E.H.
2013	<i>Perspectives in Child Development</i>	Fuligni, A.J.	Telzer, E.H.
2009	<i>Psychosomatic Medicine</i>	Fuligni, A.J.	Telzer, E.H., Bower, J., Cole, S.W., Kiang, L., & Irwin, M.R.
2009	<i>Brain, Behavior, and Immunity</i>	Fuligni, A.J.	Telzer, E.H., Bower, J., Irwin, M.R., Kiang, L., & Cole, S.W.
2023	<i>Journal of Child Psychology and Psychiatry</i>	Funkhouser	Trivedi, Li, Helgren, Zhang, Sritharan, Cherner, Pagliaccio, Durham, Kyler, Tse, Buchanan, Allen, Shankman, & Auerbach
1992	<i>Child development</i>	Furman, W.	Buhrmester, D.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Young people need experiences that boost their mental health
The contributions of immigrant adolescents (pgs 181-202). In A.S. Masten, D. Hernandez, & K. Liebkind (Eds). Realizing the Potential of Immigrant Youth
Another way the family can get in the head and under the skin: The neurobiology of family assistance
A preliminary study of daily interpersonal stress and C-Reactive Protein levels among adolescents from Latin American and European backgrounds
Daily family assistance and inflammation among adolescents from Latin American and European backgrounds
Detecting adolescent depression through passive monitoring of linguistic markers in smartphone communication
Age and sex differences in perceptions of networks of personal relationships

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Fuligni, A.J& Galván, A. (2022). Young people need experiences that boost their mental health. <i>Nature</i> 610(7931):253-256.
Fuligni, A.J. & Telzer, E.H. (2012). The contributions of immigrant adolescents (pgs 181-202). In A.S. Masten, D. Hernandez, & K. Liebkind (Eds). <i>Realizing the Potential of Immigrant Youth</i> . Cambridge University Press, New York, NY. https://doi.org/10.1017/CBO9781139094696
Fuligni, A.J. & Telzer, E.H. (2013). Another way the family can get in the head and under the skin: The neurobiology of family assistance. <i>Perspectives in Child Development</i> , 7, 138-142. https://doi.org/10.1111/cdep.12029
Fuligni, A.J., Telzer, E.H., Bower, J., Cole, S.W., Kiang, L., & Irwin, M.R. (2009). A preliminary study of daily interpersonal stress and C-Reactive Protein levels among adolescents from Latin American and European backgrounds. <i>Psychosomatic Medicine</i> , 71, 1-5. https://doi.org/10.1097/PSY.0b013e3181921b1f
Fuligni, A.J., Telzer, E.H., Bower, J., Irwin, M.R., Kiang, L., & Cole, S.W. (2009). Daily family assistance and inflammation among adolescents from Latin American and European backgrounds. <i>Brain, Behavior, and Immunity</i> , 23, 803-809. https://doi.org/10.1016/j.bbi.2009.02.021
Funkhouser, C. J., Trivedi, E., Li, L. Y., Helgren, F., Zhang, E., Sritharan, A., Cherner, R. A., Pagliaccio, D., Durham, K., Kyler, M., Tse, T. C., Buchanan, S. N., Allen, N. B., Shankman, S. A., & Auerbach, R. P. (2023). Detecting adolescent depression through passive monitoring of linguistic markers in smartphone communication. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> . https://doi.org/10.1111/jcpp.13931
Furman, W., & Buhrmester, D. (1992). Age and sex differences in perceptions of networks of personal relationships. <i>Child development</i> , 63(1), 103-115.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>NeuroImage</i>	Gabard-Durnam, L.	Flannery, J., Goff, B., Gee, D.G., Humphreys, K.L., Telzer, E.H., Hare, T., & Tottenham, N.
2016	<i>Journal of Neuroscience</i>	Gabard-Durnam, L.	Gee, D.G., Goff, B., Flannery, J., Telzer, E.H., Humphreys, K.L., Lumian, D.S., Fareri, D.S., Caldera, C., & Tottenham, N.
2023	<i>Computers in Human Behavior</i>	Gahler	Dajches, Teran, Yan, Aubrey
2023	<i>Body Image</i>	Gahler	Zeng, Yan, Teran, Dajches, Aubrey
2020	<i>Trends in Cognitive Sciences</i>	Galván A.	N/A
2021	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Galván, A.	N/A
2021	<i>Journal of Research on Adolescence</i>	Galván, A.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The development of human amygdala functional connectivity at rest from 4 to 23 Years: a cross-sectional study
Stimulus-elicited connectivity influences resting-state connectivity years later in human development: A prospective study
Instagram influences: An examination of the tripartite influence model of body image among a racially diverse sample of young-adult women
Birds of a feather flocking together on Instagram: How racially similar followers and followings on Instagram are linked to young women's body image
The need for sleep in the adolescent brain
Adolescent brain development and contextual influences: A decade in review
Adolescent brain development and contextual influences: A decade in review

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Gabard-Durnam, L., Flannery, J., Goff, B., Gee, D.G., Humphreys, K.L., Telzer, E.H., Hare, T., & Tottenham, N. (2014). The development of human amygdala functional connectivity at rest from 4 to 23 Years: a cross-sectional study. *NeuroImage* , 95, 193-207. <https://doi.org/10.1016/j.neuroimage.2014.03.038>

Gabard-Durnam, L., Gee, D.G., Goff, B., Flannery, J., Telzer, E.H., Humphreys, K.L., Lumian, D.S., Fareri, D.S., Caldera, C., & Tottenham, N. (2016). Stimulus-elicited connectivity influences resting-state connectivity years later in human development: A prospective study. *Journal of Neuroscience* , 36, 4771-4784. <https://doi.org/10.1523/JNEUROSCI.0598-16.2016>

Gahler, H., Dajches, L., Terán, L., Yan, K., & Aubrey, J. S. (2023). Instagram influences: An examination of the tripartite influence model of body image among a racially diverse sample of young-adult women. *Computers in Human Behavior* , 145 , 107785. <https://doi.org/10.1016/j.chb.2023.107785>

Gahler, H., Zeng, J., Yan, K., Terán, L., Dajches, L., & Aubrey, J. S. (2023). Birds of a feather flocking together on Instagram: How racially similar followers and followings on Instagram are linked to young women's body image. *Body Image* , 47 , 101626. <https://doi.org/10.1016/j.bodyim.2023.101626>

Galván A (2020). The need for sleep in the adolescent brain. *Trends in Cognitive Sciences*, 24, 79-89.

Galván, A. (2021). Adolescent brain development and contextual influences: A decade in review. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 31(4), 843–869. <https://doi.org/10.1111/jora.12687>

Galván, A. (2021). Adolescent brain development and contextual influences: A decade in review. *Journal of Research on Adolescence* , 31 (4), 843-869

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013	<i>Journal of cognitive neuroscience</i>	Galván, A.	McGlennen, K. M.
2006	<i>The Journal of Neuroscience</i>	Galvan, A.	Hare, T. A., Parra, C. E., Penn, J., Voss, H., Glover, G., & Casey, B. J.
2025	<i>Neuroimage</i>	Gao, Y.	Hu, Y., Wang, J., Liu, C., Im, H., Jin, W., Zhu, W., Ge, W., Zhao, G., Yao, Q., Wang, P., Zhang, M., Niu, X., He, Q., & Wang, Q.
2017	<i>Frontiers for Young Minds</i>	Garber Bezdek, K†.	Telzer, E.H.
2024	<i>PPM</i>	Garcia	Cervantes, Rodriguez-Crespo, Drozdova, & Cooper
2022	<i>Psychology of Popular Media</i>	Garcia	Bingham, Liu
2022	<i>Developmental Cognitive Neuroscience</i>	Garcini, L. M.	Arredondo, M. M., Berry, O., Church, J. A., Fryberg, S., Thomason, M. E., & McLaughlin, K. A.
2023	<i>Journal of Clinical Child and Adolescent Psychology</i>	Garrett, S. L.	Burnell, K., Armstrong-Carter, E. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Enhanced striatal sensitivity to aversive reinforcement in adolescents versus adults
Earlier development of the accumbens relative to orbitofrontal cortex might underlie risk-taking behavior in adolescents
Neuroanatomical and functional substrates of the short video addiction and its association with brain transcriptomic and cellular architecture
Have no fear, the brain is here! How your brain responds to stress
Online Social Experiences Among Hispanic Emerging Adults: Associations With Mental and Sleep Health
The Effects of Daily Instagram Use on State Self-Objectification, Well-Being, and Mood for Young Women
Increasing diversity in developmental cognitive neuroscience: A roadmap for increasing representation in pediatric neuroimaging research
Links Between Objectively-Measured Hourly Smartphone Use and Adolescent Wake Events Across Two Weeks

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Galván, A., & McGlennen, K. M. (2013). Enhanced striatal sensitivity to aversive reinforcement in adolescents versus adults. <i>Journal of cognitive neuroscience</i>, 25(2), 284–296. https://doi.org/10.1162/jocn_a_00326</p>
<p>Galvan, A., Hare, T. A., Parra, C. E., Penn, J., Voss, H., Glover, G., & Casey, B. J. (2006). Earlier development of the accumbens relative to orbitofrontal cortex might underlie risk-taking behavior in adolescents. <i>The Journal of Neuroscience</i>, 26(25), 6885–6892. https://doi.org/10.1523/JNEUROSCI.1062-06.2006</p>
<p>Gao, Y., Hu, Y., Wang, J., Liu, C., Im, H., Jin, W., Zhu, W., Ge, W., Zhao, G., Yao, Q., Wang, P., Zhang, M., Niu, X., He, Q., & Wang, Q. (2025). Neuroanatomical and functional substrates of the short video addiction and its association with brain transcriptomic and cellular architecture. <i>Neuroimage</i>, 307, 121029. https://doi.org/10.1016/j.neuroimage.2025.121029</p>
<p>Garber Bezdek, K†. & Telzer, E.H. (2017). Have no fear, the brain is here! How your brain responds to stress. <i>Frontiers for Young Minds</i>, 5, 1-8. https://doi.org/10.3389/frym.2017.00071</p>
<p>Garcia, M. A., Cervantes, A., Rodriguez-Crespo, A., Drozdova, A. D., & Cooper, T. V. (2024). Online social experiences among Hispanic emerging adults: Associations with mental and sleep health. <i>Psychology of Popular Media</i>. Advance online publication. https://doi.org/10.1037/ppm0000564</p>
<p>Garcia, R. L., Bingham, S., & Liu, S. (2022). The effects of daily Instagram use on state self-objectification, well-being, and mood for young women. <i>Psychology of Popular Media</i>, 11(4), 423–434. https://doi.org/10.1037/ppm0000350</p>
<p>Garcini, L. M., Arredondo, M. M., Berry, O., Church, J. A., Fryberg, S., Thomason, M. E., & McLaughlin, K. A. (2022). Increasing diversity in developmental cognitive neuroscience: A roadmap for increasing representation in pediatric neuroimaging research. <i>Developmental Cognitive Neuroscience</i>, 58, 101167. https://doi.org/10.1016/j.dcn.2022.101167</p>
<p>Garrett, S. L., Burnell, K., Armstrong-Carter, E. L., Nelson, B. W., Prinstein, M. J., & Telzer, E. H. (2023). Links Between Objectively-Measured Hourly Smartphone Use and Adolescent Wake Events Across Two Weeks. <i>Journal of Clinical Child and Adolescent Psychology</i>, 1–11. https://doi.org/10.1080/15374416.2023.2286595</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Garrett, S. L.	Burnell, K., Armstrong-Carter, E. L., Prinstein, M. J., & Telzer, E. H.
2023	<i>Journal of Research on Adolescence</i>	Garrett	Burnell, Armstrong-Carter, Prinstein, Telzer
2023	<i>Journal of Research on Adolescence</i>	Garrett, S.L†.	Burnell, K., Armstrong-Carter, E.L†., Prinstein, M.J., & Telzer, E.H.
(in press)	<i>Journal of Clinical Child and Adolescent Psychology</i>	Garrett, S.L†.	Burnell, K., Armstrong-Carter, E.M., Nelson, B.W., Prinstein, M.J., & Telzer, E.H.
2013	<i>Proceedings of the National Academy of Sciences</i>	Gee, D.G.	Gabard-Durman, L. Flannery, J., Goff, B., Humphreys, K.L., Telzer, E.H., Hare, T.A., Bookheimer, S.Y., & Tottenham, N.
2014	<i>Psychological Science</i>	Gee, D.G.	Gabard-Durman, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Hare, T.A., Luniam, D.S., Fareri, D.S., Caldera, C., & Tottenham, N.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness
Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness
Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness
Links between objectively-measured hourly smartphone use and adolescent wake events across two weeks
Early developmental emergence of human amygdala–prefrontal connectivity after maternal deprivation
Maternal buffering of human amygdala-prefrontal circuitry during childhood but not adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Garrett, S. L., Burnell, K., Armstrong-Carter, E. L., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 33(4), 1222–1234. <https://doi.org/10.1111/jora.12871>

Garrett, S. L., Burnell, K., Armstrong-Carter, E., Prinstein, M. J., & Telzer, E. H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence* , 33 (4). <https://doi.org/10.1111/jora.12871>

Garrett, S.L†., Burnell, K., Armstrong-Carter, E.L†., Prinstein, M.J., & Telzer, E.H. (2023). Linking video chatting, phone calling, text messaging, and social media with peers to adolescent connectedness. *Journal of Research on Adolescence*, 33, 1222-1234. <https://doi.org/10.1111/jora.12871>

Garrett, S.L†., Burnell, K., Armstrong-Carter, E.M., Nelson, B.W., Prinstein, M.J., & Telzer, E.H. (in press). Links between objectively-measured hourly smartphone use and adolescent wake events across two weeks. *Journal of Clinical Child and Adolescent Psychology*. <https://doi.org/10.1080/15374416.2023.2286595>

Gee, D.G., Gabard-Durman, L. Flannery, J., Goff, B., Humphreys, K.L., Telzer, E.H., Hare, T.A., Bookheimer, S.Y., & Tottenham, N. (2013). Early developmental emergence of human amygdala–prefrontal connectivity after maternal deprivation. *Proceedings of the National Academy of Sciences* , 110(39), 15638-15643. <https://doi.org/10.1073/pnas.1307893110>

Gee, D.G., Gabard-Durman, L., Telzer, E.H., Humphreys, K.L., Goff, B., Shapiro, M., Flannery, J., Hare, T.A., Luniam, D.S., Fareri, D.S., Caldera, C., & Tottenham, N. (2014). Maternal buffering of human amygdala-prefrontal circuitry during childhood but not adolescence. *Psychological Science* , 25, 2067-2078. <https://doi.org/10.1177/0956797614550878>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013	<i>Journal of Neuroscience</i>	Gee, D.G.	Humphreys, K.L., Flannery, J., Goff, B., Telzer, E.H., Shapiro, M., Hare, T.A., Bookheimer, S.Y., & Tottenham, N.
2012	<i>Child Development</i>	Geier, C. F.	Luna, B.
2010	<i>Cerebral Cortex</i>	Geier, C. F.	Terwilliger, R., Teslovich, T., Velanova, K., & Luna, B.
2009	<i>Pharmacology, Biochemistry, and Behavior</i>	Geier, C.	Luna, B.
2023	<i>Journal of Adolescence</i>	Gentzler	Hughes, Johnston, & Alderson
2023	<i>Journal of Adolescence</i>	Gentzler, A. L.	Hughes, J. L., Johnston, M., & Alderson, J. E.
2021	<i>Journal of Adolescent Health</i>	George, M. J.	Beron, K. J., Vollet, J. W., Burnell, K., Ehrenreich, S. E., & Underwood, M. K.
2021	<i>Emerging Adulthood</i>	George, M. J.	Ehrenreich, S. E., Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A developmental shift from positive to negative connectivity in human amygdala-prefrontal circuitry
Developmental effects of incentives on response inhibition
Immaturities in reward processing and its influence on inhibitory control in adolescence
The maturation of incentive processing and cognitive control
Which social media platforms matter and for whom? Examining moderators of links between adolescents' social media use and depressive symptoms
Which social media platforms matter and for whom? Examining moderators of links between adolescents' social media use and depressive symptoms.
Frequency of text messaging and adolescents' mental health symptoms across 4 years of high school
Emerging adults' public and private discussions of substance use on social media

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Gee, D.G., Humphreys, K.L., Flannery, J., Goff, B., Telzer, E.H., Shapiro, M., Hare, T.A., Bookheimer, S.Y., & Tottenham, N. (2013). A developmental shift from positive to negative connectivity in human amygdala-prefrontal circuitry. <i>Journal of Neuroscience</i> , 33, 4584-4593. https://doi.org/10.1523/JNEUROSCI.3446-12.2013</p>
<p>Geier, C. F., & Luna, B. (2012). Developmental effects of incentives on response inhibition. <i>Child Development</i> , 83(4), 1262–1274. https://doi.org/10.1111/j.1467-8624.2012.01771.x</p>
<p>Geier, C. F., Terwilliger, R., Teslovich, T., Velanova, K., & Luna, B. (2010). Immaturities in reward processing and its influence on inhibitory control in adolescence. <i>Cerebral Cortex</i> , 20(7), 1613–1629. https://doi.org/10.1093/cercor/bhp225</p>
<p>Geier, C., & Luna, B. (2009). The maturation of incentive processing and cognitive control. <i>Pharmacology, Biochemistry, and Behavior</i> , 93(3), 212–221. https://doi.org/10.1016/j.pbb.2009.01.021</p>
<p>Gentzler, A. L., Hughes, J. L., Johnston, M., & Alderson, J. (2023). Which Social Media Platforms Matter and for Whom? Examining Moderators of Links Between Adolescents’ Social Media Use and Depressive Symptoms. <i>Journal of Adolescence</i> , 95 (8). https://doi.org/10.1002/jad.12243</p>
<p>Gentzler, A. L., Hughes, J. L., Johnston, M., & Alderson, J. E. (2023). Which social media platforms matter and for whom? Examining moderators of links between adolescents' social media use and depressive symptoms. <i>Journal of Adolescence</i>, 95(8), 1725-1748. https://doi.org/10.1002/jad.12243</p>
<p>George, M. J., Beron, K. J., Vollet, J. W., Burnell, K., Ehrenreich, S. E., & Underwood, M. K. (2021). Frequency of text messaging and adolescents’ mental health symptoms across 4 years of high school. <i>Journal of Adolescent Health</i> , 68 , 324-330.</p>
<p>George, M. J., Ehrenreich, S. E., Burnell, K., Kurup, A. R., Vollet, J. W., & Underwood, M. K. (2021). Emerging adults’ public and private discussions of substance use on social media. <i>Emerging Adulthood</i>, 9 , 408-414.</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Journal of Pediatrics</i>	George	Jensen, Russell, Gassman-Pnies, Copeland, Hoyle, Odgers
2019	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	George, M. J.	Rivenbark, J. G., Russell, M. A., Ng'eno, L., Hoyle, R. H., & Odgers, C. L.
2018	<i>Child Development</i>	George	Russell, Piontak, & Odgers
2025	<i>Substance Use & Misuse</i>	Georgiades, A.	Godwin, J., Andrade, F. C., Copeland, W. E., Davisson, E. K., Kuhn, C. M., Burnell, K., & Hoyle, R. H.
2017	<i>Springer International Publishing</i>	Gerber, J. P.	N/A
2018	<i>Psychological bulletin</i>	Gerber, J. P.	Wheeler, L., Suls, J.
2011	<i>Annual Review of Neuroscience</i>	Gerfen, C. R.	Surmeier, D. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Young Adolescents' Digital Technology Use, Perceived Impairments, and Well-Being in a Representative Sample
Evaluating the use of commercially available wearable wristbands to capture adolescents' daily sleep duration
Concurrent and Subsequent Associations Between Daily Digital Technology Use and High-Risk Adolescents' Mental Health Symptoms
Hair cortisol concentrations in the prediction of early substance use engagement in youth
Social Comparison Theory. In V. Zeigler-Hill & T. K. Shackelford (Eds.), Encyclopedia of personality and individual differences (pp. 1–8)
A social comparison theory meta-analysis 60+ years on
Modulation of Striatal Projection Systems by Dopamine.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

George, M. J., Jensen, M. R., Russell, M. A., Gassman-Pines, A., Copeland, W. E., Hoyle, R. H., & Odgers, C. L. (2020). Young Adolescents' Digital Technology Use, Perceived Impairments, and Well-Being in a Representative Sample. *The Journal of Pediatrics* , 219 , 180–187.

<https://doi.org/10.1016/j.jpeds.2019.12.002>

George, M. J., Rivenbark, J. G., Russell, M. A., Ng'eno, L., Hoyle, R. H., & Odgers, C. L. (2019). Evaluating the use of commercially available wearable wristbands to capture adolescents' daily sleep duration. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 29(3), 613–626. <https://doi.org/10.1111/jora.12467>

George, M. J., Russell, M. A., Piontak, J. R., & Odgers, C. L. (2018). Concurrent and Subsequent Associations Between Daily Digital Technology Use and High-Risk Adolescents' Mental Health Symptoms. *Child Development* , 89 (1), 78–88.

<https://doi.org/10.1111/cdev.12819>

Georgiades, A., Godwin, J., Andrade, F. C., Copeland, W. E., Davission, E. K., Kuhn, C. M., Burnell, K., & Hoyle, R. H. (2025). Hair cortisol concentrations in the prediction of early substance use engagement in youth. *Substance Use & Misuse*, 60 , 244-256.

Gerber, J. P. (2017). Social Comparison Theory. In V. Zeigler-Hill & T. K. Shackelford (Eds.), *Encyclopedia of personality and individual differences* (pp. 1–8). Springer International Publishing.

https://doi.org/10.1007/978-3-319-28099-8_1182-1

Gerber, J. P., Wheeler, L., & Suls, J. (2018). A social comparison theory meta-analysis 60+ years on. *Psychological bulletin*, 144(2), 177–197. <https://doi.org/10.1037/bul0000127>

Gerfen, C. R., & Surmeier, D. J. (2011). Modulation of Striatal Projection Systems by Dopamine. *Annual Review of Neuroscience*, 34(1), 441–466. <https://doi.org/10.1146/annurev-neuro-061010-113641>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Nature Neuroscience</i>	Gershman, S. J.	Assad, J. A., Datta, S. R., Linderman, S. W., Sabatini, B. L., Uchida, N., & Wilbrecht, L.
2023	<i>Research on Child and Adolescent Psychopathology</i>	Gingras	Brendgen, Beauchamp, Séguin, Tremblay, Côté, & Herba
2023	<i>Research on Child and Adolescent Psychopathology</i>	Gingras	Brendgen, Beauchamp, Sguin, Tremblay, Cote, Herba
2024	<i>Journal of Youth and Adolescence</i>	Gingras	Brendgen, Beauchamp, Seguin, Tremblay, Cote, & Herba
2020	<i>Sex Roles</i>	Gioia	Griffiths, Boursier
1993	<i>Trends in Pharmacological Sciences</i>	Giros, B.	Caron, M. G.
2011	<i>Proceedings of the National Academy of Sciences</i>	Glimcher, P. W.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Explaining dopamine through prediction errors and beyond.
Adolescents and Social Media: Longitudinal Links Between Types of Use, Problematic Use and Internalizing Symptoms
Adolescents and social media: Longitudinal links between types of use, problematic use and internalizing symptoms.
Adolescents and Social Media: Longitudinal Links Between Motivations for Using Social Media and Subsequent Internalizing Symptoms
Adolescents' Body Shame and Social Networking Sites: The Mediating Effect of Body Image Control in Photos
Molecular characterization of the dopamine transporter.
Understanding dopamine and reinforcement learning: The dopamine reward prediction error hypothesis.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Gershman, S. J., Assad, J. A., Datta, S. R., Linderman, S. W., Sabatini, B. L., Uchida, N., & Wilbrecht, L. (2024). Explaining dopamine through prediction errors and beyond. *Nature Neuroscience*, 27(9), 1645–1655. <https://doi.org/10.1038/s41593-024-01705-4>

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2023). *Adolescents and Social Media: Longitudinal Links Between Types of Use, Problematic Use and Internalizing Symptoms* . <https://doi.org/10.1007/s10802-023-01084-7>

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2023). *Adolescents and Social Media: Longitudinal Links Between Types of Use, Problematic Use and Internalizing Symptoms* . <https://doi.org/10.1007/s10802-023-01084-7>

Gingras, M.-P., Brendgen, M., Beauchamp, M. H., Séguin, J. R., Tremblay, R. E., Côté, S. M., & Herba, C. M. (2024). Adolescents and Social Media: Longitudinal Links Between Motivations for Using Social Media and Subsequent Internalizing Symptoms. *Journal of Youth and Adolescence* . <https://doi.org/10.1007/s10964-024-02097-1>

Gioia, F., Griffiths, M.D. & Boursier, V. (2020). Adolescents' Body Shame and Social Networking Sites: The Mediating Effect of Body Image Control in Photos. *Sex Roles*. 83, 773–785. <https://doi.org/10.1007/s11199-020-01142-0>

Giros, B., & Caron, M. G. (1993). Molecular characterization of the dopamine transporter. *Trends in Pharmacological Sciences*, 14(2), 43–49. [https://doi.org/10.1016/0165-6147\(93\)90029-J](https://doi.org/10.1016/0165-6147(93)90029-J)

Glimcher, P. W. (2011). Understanding dopamine and reinforcement learning: The dopamine reward prediction error hypothesis. *Proceedings of the National Academy of Sciences*, 108(supplement_3), 15647–15654. <https://doi.org/10.1073/pnas.1014269108>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013	<i>Neuroscience</i>	Goff, B.	Gee, D.G., Telzer, E.H., Humphreys, K.L., Gabard-Durnam, L., Flannery, J., & Tottenham, N.
2004	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Gogtay, N.	Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T. F., Herman, D. H., Clasen, L. S., Toga, A. W., Rapoport, J. L., & Thompson, P. M.
2004	<i>Proceedings of the National Academy of Sciences</i>	Gogtay, N.	Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T.F., Herman, D.H., Clasen, L.S., Toga, A.,W., Rapoport, J.L., & Thompson, P. M.
2025	<i>Social Media & Society</i>	Goh	Hartanto, Sandeeshwara, Majeed
2017	<i>Social Cognitive Affective Neuroscience</i>	Goldenberg, D.	Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A.
2013	<i>Developmental Cognitive Neuroscience</i>	Goldenberg, D+., Telzer, E.H+.	Lieberman, M.D., Fuligni, A.J. & Gálvan, A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Reduced nucleus accumbens reactivity and adolescent depression following early-life stress
Dynamic mapping of human cortical development during childhood through early adulthood
Dynamic mapping of human cortical development during childhood through early adulthood
No Consistent Evidence for Between- and Within-Person Associations Between Objective Social Media Screen Time and Body Image Dissatisfaction: Insights From a Daily Diary Study
Greater response variability in adolescents is associated with increased white matter development
Neural mechanisms of impulse control in sexually risky adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Goff, B., Gee, D.G., Telzer, E.H., Humphreys, K.L., Gabard-Durnam, L., Flannery, J., & Tottenham, N. (2013). Reduced nucleus accumbens reactivity and adolescent depression following early-life stress. <i>Neuroscience</i> , 249, 129-138. https://doi.org/10.1016/j.neuroscience.2012.12.010</p>
<p>Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T. F., Herman, D. H., Clasen, L. S., Toga, A. W., Rapoport, J. L., & Thompson, P. M. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 101(21), 8174–8179. https://doi.org/10.1073/pnas.0402680101</p>
<p>Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., Nugent, T.F., Herman, D.H., Clasen, L.S., Toga, A.,W., Rapoport, J.L., & Thompson, P. M. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. <i>Proceedings of the National Academy of Sciences</i>, 101(21), 8174-8179.</p>
<p>Goh, A. Y. H., Hartanto, A., Kasturiratna, K. T. A. S., & Majeed, N. M. (2025). No Consistent Evidence for Between- and Within-Person Associations Between Objective Social Media Screen Time and Body Image Dissatisfaction: Insights From a Daily Diary Study. <i>Social Media + Society</i> , 11 (1). https://doi.org/10.1177/20563051251313855</p>
<p>Goldenberg, D., Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A. (2017). Greater response variability in adolescents is associated with increased white matter development. <i>Social Cognitive Affective Neuroscience</i> , 12, 436-444. https://doi.org/10.1093/scan/nsw132</p>
<p>Goldenberg, D+, Telzer, E.H+, Lieberman, M.D., Fuligni, A.J., & Gálvan, A. (2013). Neural mechanisms of impulse control in sexually risky adolescents. <i>Developmental Cognitive Neuroscience</i> , 6, 23-29. https://doi.org/10.1016/j.dcn.2013.06.002 +denotes equal author contribution</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Scope.</i>	Goldman, B.	N/A
2018	<i>International Journal of Adolescence and Youth</i>	Gomez-Baya	Rubio-Gonzalez, Gaspar de Matos
2025	<i>BMJ (Clinical Research Ed.)</i>	Goodyear, V. A.	James, C., Orben, A., Quennerstedt, M., Schwartz, G., & Pallan, M.
2025	<i>Lancet Regional Health</i>	Goodyear, V.	Randhawa, A, Adab, P., Al-Jan
2007	<i>Trends in Neurosciences</i>	Grace, A. A.	Floresco, S. B., Goto, Y., & Lodge, D. J.
2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Graham, S.	Mason, A., Riordan, B., Winter, T., & Scarf, D.
2023	<i>Body Image</i>	Graham	Newell, Phillips, Pritchard, Scarf

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Addictive potential of social media, explained.
Online communication, peer relationships and school victimisation: a one-year longitudinal study during middle adolescence
Approaches to children's smartphone and social media use must go beyond bans
School phone policies and their association with mental wellbeing, phone use, and social media use (SMART Schools): a cross-sectional observational study
Regulation of firing of dopaminergic neurons and control of goal-directed behaviors.
Taking a Break from Social Media Improves Wellbeing Through Sleep Quality
Curating a body-positive feed? An attempt to mitigate the negative impacts of thin-ideal content on Instagram

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Goldman, B. (2021, October 29). Addictive potential of social media, explained. Scope.
<https://scopeblog.stanford.edu/2021/10/29/addictive-potential-of-social-media-explained/>

Gomez-Baya, D., Rubio-Gonzalez, A., & Gaspar de Matos, M. (2018). Online communication, peer relationships and school victimisation: a one-year longitudinal study during middle adolescence. *International Journal of Adolescence and Youth* , 24 (2), 199–211.
<https://doi.org/10.1080/02673843.2018.1509793>

Goodyear, V. A., James, C., Orben, A., Quennerstedt, M., Schwartz, G., & Pallan, M. (2025). Approaches to children’s smartphone and social media use must go beyond bans. *BMJ* (Clinical Research Ed.), 388, e082569. <https://doi.org/10.1136/bmj-2024-082569>

Goodyear, V. A., Randhawa, A., Péymane Adab, Hareth Al-Janabi, Fenton, S., Jones, K., Michail, M., Morrison, B., Patterson, P., Quinlan, J., Sitch, A., Twardochleb, R., Wade, M., & Pallan, M. (2025). School phone policies and their association with mental wellbeing, phone use, and social media use (SMART Schools): a cross-sectional observational study. *The Lancet Regional Health - Europe* , 51 , 101211–101211.
<https://doi.org/10.1016/j.lanepe.2025.101211>

Grace, A. A., Floresco, S. B., Goto, Y., & Lodge, D. J. (2007). Regulation of firing of dopaminergic neurons and control of goal-directed behaviors. *Trends in Neurosciences*, 30(5), 220–227.
<https://doi.org/10.1016/j.tins.2007.03.003>

Graham, S., Mason, A., Riordan, B., Winter, T., & Scarf, D. (2020). Taking a Break from Social Media Improves Wellbeing Through Sleep Quality. *Cyberpsychology, Behavior, and Social Networking* , 24 (6). <https://doi.org/10.1089/cyber.2020.0217>

Graham, S., Newell, E., Phillips, J. B., Pritchard, M., & Scarf, D. (2023). Curating a body-positive feed? An attempt to mitigate the negative impacts of thin-ideal content on Instagram. *Body Image* , 46 , 168–173. <https://doi.org/10.1016/j.bodyim.2023.06.002>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Journal of Child Psychology and Psychiatry</i>	Green, S.A.	Goff, B., Gee, D.G., Gabard-Durnam, L., Flannery, J., Telzer, E.H., Humphreys, K.L., Louie, J., & Tottenham, N.
2022	<i>Current Psychology</i>	Griffioen	Scholten, Lichtwarck-Aschoff, Maciejewski, & Granic
2018	<i>Cyberpsychol Behav Soc Netw.</i>	Griffiths S.	Murray SB, Krug I, McLean SA.
1996	<i>Nature</i>	Griffiths, M.	N/A
2005	<i>Journal of Substance Use</i>	Griffiths, M.	N/A
(n.d.)	<i>Education and Health</i>	Griffiths, M. D.	N/A
2018	<i>Body Image</i>	Griffiths	Castle, Cunningham, Murray, Bastian, Barlow

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Discrimination of amygdala response predicts future separation anxiety in youth with early deprivation
Heterogeneity in some relationships between social media use and emerging adults' affective wellbeing
The Contribution of Social Media to Body Dissatisfaction, Eating Disorder Symptoms, and Anabolic Steroid Use Among Sexual Minority Men.
Nicotine, tobacco and addiction.
A 'components' model of addiction within a biopsychosocial framework
Adolescent social media addiction (revisited)
How does exposure to thinspiration and fitspiration relate to symptom severity among individuals with eating disorders?Evaluation of a proposed model

Literature Review - APA Publication Cite

Green, S.A., Goff, B., Gee, D.G., Gabard-Durnam, L., Flannery, J., Telzer, E.H., Humphreys, K.L., Louie, J., & Tottenham, N. (2016). Discrimination of amygdala response predicts future separation anxiety in youth with early deprivation. *Journal of Child Psychology and Psychiatry*, 10, 1135-1144. <https://doi.org/10.1111/jcpp.12578>

Griffioen, N., Scholten, H., Lichtwarck-Aschoff, A., Maciejewski, D., & Granic, I. (2022). Heterogeneity in some relationships between social media use and emerging adults' affective wellbeing. *Current Psychology*. <https://doi.org/10.1007/s12144-022-04035-5>

Griffiths S, Murray SB, Krug I, McLean SA. (2018). The Contribution of Social Media to Body Dissatisfaction, Eating Disorder Symptoms, and Anabolic Steroid Use Among Sexual Minority Men. *Cyberpsychol Behav Soc Netw*, 21(3):149-156.

Griffiths, M. (1996). Nicotine, tobacco and addiction. *Nature*, 384(6604), 18–18.

Griffiths, M. (2005). A 'components' model of addiction within a biopsychosocial framework. *Journal of Substance Use*, 10(4), 191–197. <https://doi.org/10.1080/14659890500114359>

Griffiths, M. D. (n.d.). Griffiths, M.D. & Kuss, D.J. (2017). Adolescent social media addiction (revisited). *Education and Health*, 35, 59-62.

Griffiths, S., Castle, D., Cunningham, M., Murray, S. B., Bastian, B., & Barlow, F. K. (2018). How does exposure to thinspiration and fitspiration relate to symptom severity among individuals with eating disorders? Evaluation of a proposed model. *Body Image*, 27, 187–195. <https://doi.org/10.1016/j.bodyim.2018.10.002>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Body Image</i>	Griffiths, S.	Harris, E. A., Whitehead, G., Angelopoulos, F., Stone, B., Grey, W., & Dennis, S.
2016	<i>Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems</i>	Grinberg, N.	Dow, A., Adamic, L., Naaman, M.
2017	<i>CSCW Proceedings</i>	Grinberg	Kalyanaraman, Adamic, Naaman
2015	<i>Journal of Adolescence</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Emerging Adulthood</i>	Guassi Moreira, J†.	Telzer, E.H.
2018	<i>Developmental Science</i>	Guassi Moreira, J†.	Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Does TikTok contribute to eating disorders? A comparison of the TikTok algorithms belonging to individuals with eating disorders versus healthy controls
How Contribution Affects Engagement on Facebook
Understanding Feedback Expectations on Facebook
Changes in family cohesion and links to depression during the college transition
Family conflict influences whether adolescents take greater or fewer risks when their parent is affected
Family conflict is associated with longitudinal changes in insular-striatal functional connectivity during adolescent risk taking under maternal influence
Longitudinal increases in parent-child relationship quality and sensation seeking interact to increase adolescent risk taking
Mother still knows best: Maternal influence uniquely modulates adolescent reward sensitivity during risk taking

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Griffiths, S., Harris, E. A., Whitehead, G., Angelopoulos, F., Stone, B., Grey, W., & Dennis, S. (2024). Does TikTok contribute to eating disorders? A comparison of the TikTok algorithms belonging to individuals with eating disorders versus healthy controls. <i>Body Image</i> , 51, 101807. https://doi.org/10.1016/j.bodyim.2024.101807</p>
<p>Grinberg, N., Dow, P.A., Adamic, L.A. and Naaman, M. (2016) Changes in Engagement before and after Posting to Facebook. <i>Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems</i> , San Jose, 7-12 May 2016, 564-574.https://doi.org/10.1145/2858036.2858501</p>
<p>Grinberg, N., Kalyanaraman, S., Adamic, L. A., & Naaman, M. (2017). Understanding Feedback Expectations on Facebook. <i>Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing - CSCW '17</i> https://doi.org/10.1145/2998181.2998320</p>
<p>Guassi Moreira, J†. & Telzer, E.H. (2015). Changes in family cohesion and links to depression during the college transition. <i>Journal of Adolescence</i> , 43, 72-82. https://doi.org/10.1016/j.adolescence.2015.05.012</p>
<p>Guassi Moreira, J†. & Telzer, E.H. (2018). Family conflict influences whether adolescents take greater or fewer risks when their parent is affected. <i>Developmental Science</i> , 21, e12611. https://doi.org/10.1111/desc.12611</p>
<p>Guassi Moreira, J†. & Telzer, E.H. (2018). Family conflict is associated with longitudinal changes in insular-striatal functional connectivity during adolescent risk taking under maternal influence. <i>Developmental Science</i> , 21, e12632. https://doi.org/10.1111/desc.12632</p>
<p>Guassi Moreira, J†. & Telzer, E.H. (2018). Longitudinal increases in parent-child relationship quality and sensation seeking interact to increase adolescent risk taking. <i>Emerging Adulthood</i> , 6, 66-71. https://doi.org/10.1177/2167696817705954</p>
<p>Guassi Moreira, J†. & Telzer, E.H. (2018). Mother still knows best: Maternal influence uniquely modulates adolescent reward sensitivity during risk taking. <i>Developmental Science</i> , 21, e12484. https://doi.org/10.1111/desc.12484</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Journal of Youth and Adolescence</i>	Guassi Moreira, J†.	Miernicki, M.E†. & Telzer, E.H.
2017	<i>Social Cognitive Affective Neuroscience</i>	Guassi Moreira, J†.	Van Bavel, J. & Telzer, E.H.
2022	<i>BMC Psychol.</i>	Gugushvili N.	Täht K, Ruiter RAC, Verduyn P.
2021	<i>Body Image</i>	Guizzo	Canale, Fasoli
2018	<i>Psychiatry and Clinical Psychopharmacology</i>	Gul, H.	Yurumez Solmaz, E., Gul, A., & Oner, O.
2018	N/A	Guldvik, M. K.	Kvinnsland, I.
2020	<i>Cyberpsychology, Behavior, and Social Networking</i>	Gultzow	Guidry, Schneider, Hoving

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Relationship quality buffers association between co-rumination and depressive symptoms among first year college students
Neural development of ‘us and them’
Facebook use intensity and depressive symptoms: a moderated mediation model of problematic Facebook use, age, neuroticism, and extraversion.
Instagram Sexualization: When posts make you feel dissatisfied andwanting to change your body
Facebook overuse and addiction among Turkish adolescents: are ADHD and ADHD-related problems risk factors?
Smarter without smartphones?:effects of mobile phone bans in schools on academic performance, well-being, and bullying.
Male Body Image Portrayals on Instagram

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Guassi Moreira, J†., Miernicki, M.E†., & Telzer, E.H. (2016). Relationship quality buffers association between co-rumination and depressive symptoms among first year college students. *Journal of Youth and Adolescence* , 45, 484-493. <https://doi.org/10.1007/s10964-015-0396-8>

Guassi Moreira, J†., Van Bavel, J., & Telzer, E.H. (2017). Neural development of ‘us and them’. *Social Cognitive Affective Neuroscience* , 12, 184-196. <https://doi.org/10.1093/scan/nsw134>

Gugushvili N, Täht K, Ruiter RAC, Verduyn P. (2022). Facebook use intensity and depressive symptoms: a moderated mediation model of problematic Facebook use, age, neuroticism, and extraversion. *BMC Psychol*, 10(1):279.

Guizzo, F., Canale, N., & Fasoli, F. (2021). Instagram Sexualization: When Posts Make You Feel Dissatisfied and Wanting to Change Your Body. *Body Image* , 39 , 62–67. <https://doi.org/10.1016/j.bodyim.2021.06.005>

Gul, H., Yurumez Solmaz, E., Gul, A., & Oner, O. (2018). Facebook overuse and addiction among Turkish adolescents: are ADHD and ADHD-related problems risk factors? *Psychiatry and Clinical Psychopharmacology* , 28(1), 80–90. <https://doi.org/10.1080/24750573.2017.1383706>

Guldvik, M. K., & Kvinnsland, I. (2018). Smarter without smartphones? : effects of mobile phone bans in schools on academic performance, well-being, and bullying.

Gültzow, T., Guidry, J. P. D., Schneider, F., & Hoving, C. (2020). Male Body Image Portrayals on Instagram. *Cyberpsychology, Behavior, and Social Networking* , 23 (5), 281–289. <https://doi.org/10.1089/cyber.2019.0368>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>BJM Open</i>	Guntuku	Schneider, Pelullo, Young, Wong, Ungar, Polsky, Volpp, & Merchant
2024	<i>Current Psychology</i>	Guo	Yue, Fangying, Ziao
2017	N/A	Guttmacher Institute	N/A
2012	<i>Social Cognitive and Affective Neuroscience</i>	Guyer, A. E.	Choate, V. R., Pine, D. S., & Nelson, E. E.
2009	<i>Child Development</i>	Guyer, A. E.	McClure-Tone, E. B., Shiffrin, N. D., Pine, D. S., & Nelson, E. E.
(in press)	<i>Journal of Research on Adolescence</i>	Haag, A-C.	Nick, E.A., Chen, M.S., Telzer, E.H., Prinstein, M.J., & Bonanno, G.A.
2011	<i>Neurobiology of Sensation and Reward</i>	Haber, S. N.	N/A
2016	<i>Dialogues in Clinical Neuroscience</i>	Haber, S. N.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Studying expressions of loneliness in individuals using twitter: an observational study
Social media use enhances adolescents' school belong albeit increases bullying victimization: A study of the 2018 pisa survey.
Adolescent sexual and reproductive health in the United States.
Neural circuitry underlying affective response to peer feedback in adolescence
Probing the neural correlates of anticipated peer evaluation in adolescence
Investigating risk profiles of smartphone activities and psychosocial factors in adolescents during the COVID-19 pandemic
Neuroanatomy of Reward: A View from the Ventral Striatum. In J. A. Gottfried, J. A. Gottfried, J. A. Gottfried, & J. A. Gottfried (Eds.)
Corticostriatal circuitry.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Guntuku, S. C., Schneider, R., Pelullo, A., Young, J., Wong, V., Ungar, L., Polsky, D., Volpp, K. G., & Merchant, R. (2019). Studying expressions of loneliness in individuals using twitter: an observational study. <i>BMJ Open</i> , 9 (11), e030355. https://doi.org/10.1136/bmjopen-2019-030355
Guo, Q., Yue, Z., Quan Fangying, & Xiao, L. (2024). Social media use enhances adolescents' school belong albeit increases bullying victimization: A study of the 2018 PISA survey. <i>Current Psychology</i> . https://doi.org/10.1007/s12144-024-06937-y
Guttmacher Institute. (2017). Adolescent sexual and reproductive health in the United States.
Guyer, A. E., Choate, V. R., Pine, D. S., & Nelson, E. E. (2012). Neural circuitry underlying affective response to peer feedback in adolescence. <i>Social Cognitive and Affective Neuroscience</i> , 7(1), 81–92. https://doi.org/10.1093/scan/nsr043
Guyer, A. E., McClure-Tone, E. B., Shiffrin, N. D., Pine, D. S., & Nelson, E. E. (2009). Probing the neural correlates of anticipated peer evaluation in adolescence. <i>Child Development</i> , 80(4), 1000–1015. https://doi.org/10.1111/j.1467-8624.2009.01313.x
Haag, A-C., Nick, E.A., Chen, M.S., Telzer, E.H., Prinstein, M.J., & Bonanno, G.A. (in press). Investigating risk profiles of smartphone activities and psychosocial factors in adolescents during the COVID-19 pandemic. <i>Journal of Research on Adolescence</i> , 35, 1-17. https://doi.org/10.1111/jora.13045
Haber, S. N. (2011). Neuroanatomy of Reward: A View from the Ventral Striatum. In J. A. Gottfried, J. A. Gottfried, J. A. Gottfried, & J. A. Gottfried (Eds.), <i>Neurobiology of Sensation and Reward</i> . CRC Press/Taylor & Francis. https://doi.org/10.1201/b10776-15
Haber, S. N. (2016). Corticostriatal circuitry. <i>Dialogues in Clinical Neuroscience</i> , 18(1), 7–21. https://doi.org/10.31887/DCNS.2016.18.1/shaber

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>European journal of pediatrics</i>	Hadjipanayis, A.	Efstathiou, E., Altorjai, P., Stiris, T., Valiulis, A., Koletzko, B., & Fonseca, H.
2009	<i>Dev. Neurosci.</i>	Hagenauer, M.H.	et al.
2019	<i>Journal of Medical Internet Research</i>	Haghighyegh, S.	Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Castriotta, R. J.
2024	N/A	Haidt, J.	N/A
(ongoing)	N/A	Haidt, J.	Rausch, Z., Twenge, J.
2021	<i>Psychological Assessment</i>	Hall, J. A.	Steele, R. G., Christofferson, J. L., & Mihailova, T.
2019	<i>Media Psychology</i>	Hall, J. A.	Xing, C., Ross, E. M., & Johns
2021	<i>Suicide & Life-Threatening Behavior</i>	Hamilton	Biernesser, Moreno, Porta, Hamilton, Johnson, Poling, Sakolsky, Brent, & Goldstein

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social media and children: what is the paediatrician's role?
Adolescent changes in the homeostatic and circadian regulation of sleep
Accuracy of Wristband Fitbit Models in Assessing Sleep: Systematic Review and Meta-Analysis
The Anxious Generation: How the Great Rewiring of Childhood Is Causing an Epidemic of Mental Illness.
Social Media and Mental Health: A Collaborative Review
Development and initial evaluation of a multidimensional digital stress scale
Experimentally manipulating social media abstinence: results of a four-week diary study
Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Hadjipanayis, A., Efstathiou, E., Altorjai, P., Stiris, T., Valiulis, A., Koletzko, B., & Fonseca, H. (2019). Social media and children: what is the paediatrician's role?. *European journal of pediatrics*, 178(10), 1605–1612. <https://doi.org/10.1007/s00431-019-03458-w>

Hagenauer, M.H. et al. (2009) Adolescent changes in the homeostatic and circadian regulation of sleep. *Dev. Neurosci.* 31, 276–284.

Haghighyegh, S., Khoshnevis, S., Smolensky, M. H., Diller, K. R., & Castriotta, R. J. (2019). Accuracy of Wristband Fitbit Models in Assessing Sleep: Systematic Review and Meta-Analysis. *Journal of Medical Internet Research* , 21(11), e16273. <https://doi.org/10.2196/16273>

Haidt, J. (2024). The Anxious Generation: How the Great Rewiring of Childhood Is Causing an Epidemic of Mental Illness.

Haidt, J., Rausch, Z., & Twenge, J. (ongoing). Social media and mental health: A collaborative review. Unpublished manuscript, New York University. Accessed at tinyurl.com/SocialMediaMentalHealthReview

Hall, J. A., Steele, R. G., Christofferson, J. L., & Mihailova, T. (2021). Development and initial evaluation of a multidimensional digital stress scale. *Psychological Assessment* , 33(3), 230–242. <https://doi.org/10.1037/pas0000979>

Hall, J. A., Xing, C., Ross, E. M., & Johnson, R. M. (2019). Experimentally manipulating social media abstinence: results of a four-week diary study. *Media Psychology* , 24 (2), 259–275. <https://doi.org/10.1080/15213269.2019.1688171>

Hamilton, J. L., Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G. (2021). Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide. *Suicide and Life-Threatening Behavior* , 51 (6). <https://doi.org/10.1111/sltb.12801>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Suicide & life-threatening behavior</i>	Hamilton, J. L.	Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G.
2020	<i>Journal of Adolescence</i>	Hamilton	Chang, Reinhardt, Laoueur, Silk, Moreno, Franzen, & Bylsma
2024	<i>JCPP</i>	Hamilton	Dalack, Boyd, Jorgensen, Dreier, Sarna, & Brent
2022	<i>Journal of Sleep Research</i>	Hamilton	Hutchinson, Evankovich, Ladouceur, Silk
2022	<i>Social Science Computer Review</i>	Hampton	Shin
2019	<i>PLOS ONE</i>	Hanley, S. M.	Watt, S. E., & Coventry, W.
2015	<i>Neuroimage</i>	Harding, I. H.	Yücel, M., Harrison, B. J., Pantelis, C., & Breakspear, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide
Social media use predicts later sleep timing and greater sleep variability: An ecological momentary assessment study of youth at high and low familial risk for depression
Positive and negative social media experiences and proximal risk for suicidal ideation in adolescents
Daily and average associations of physical activity, social media use, and sleep among adolescent girls during the COVID-19 pandemic
Disconnection More Problematic for Adolescent Self-Esteem than Heavy Social Media Use: Evidence from Access Inequalities and Restrictive Media Parenting in Rural America
Taking a break: The effect of taking a vacation from Facebook and Instagram on subjective well-being
Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Hamilton, J. L., Biernesser, C., Moreno, M. A., Porta, G., Hamilton, E., Johnson, K., Poling, K. D., Sakolsky, D., Brent, D. A., & Goldstein, T. G. (2021). Social media use and prospective suicidal thoughts and behaviors among adolescents at high risk for suicide. <i>Suicide & life-threatening behavior</i>, 51(6), 1203–1212. https://doi.org/10.1111/sltb.12801</p>
<p>Hamilton, J. L., Chand, S., Reinhardt, L., Ladouceur, C. D., Silk, J. S., Moreno, M., Franzen, P. L., & Bylsma, L. M. (2020). Social media use predicts later sleep timing and greater sleep variability: An ecological momentary assessment study of youth at high and</p>
<p>Hamilton, J. L., Dalack, M., Boyd, S.I., Jorgensen, S., Dreier, M. J., Sarna, J., & Brent, D. A. (2024). Positive and negative social media experiences and proximal risk for suicidal ideation in adolescents. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 65 (12). https://doi.org/10.1111/jcpp.13996</p>
<p>Hamilton, J. L., Hutchinson, E., Evankovich, M. R., Ladouceur, C. D., & Silk, J. S. (2022). Daily and average associations of physical activity, social media use, and sleep among adolescent girls during the COVID -19 pandemic. <i>Journal of Sleep Research</i> , 32 (1). https://doi.org/10.1111/jsr.13611</p>
<p>Hampton, K. N., & Shin, I. (2022). Disconnection More Problematic for Adolescent Self-Esteem than Heavy Social Media Use: Evidence from Access Inequalities and Restrictive Media Parenting in Rural America. <i>Social Science Computer Review</i>, 41(2), 626-647. https://doi.org/10.1177/08944393221117466</p>
<p>Hanley, S. M., Watt, S. E., & Coventry, W. (2019). Taking a break: The effect of taking a vacation from Facebook and Instagram on subjective well-being. <i>PLOS ONE</i> , 14 (6), e0217743. https://doi.org/10.1371/journal.pone.0217743</p>
<p>Harding, I. H., Yücel, M., Harrison, B. J., Pantelis, C., & Breakspear, M. (2015). Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory. <i>Neuroimage</i> , 106, 144–153. https://doi.org/10.1016/j.neuroimage.2014.11.039</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2008	<i>Biological Psychiatry</i>	Hare, T. A.	Tottenham, N., Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J.
2022	<i>Journal of Adolescent Health</i>	Harness	Fitzgerald, Sullivan, & Selkie
2023	<i>Body Image</i>	Harriger	Wick, Sherline, Kunz
2024	<i>Neuroscience</i>	Hart, G.	Burton, T. J., & Balleine, B. W.
2025	<i>PPM</i>	Hartanto	Kasturiratna, Kothari, Goh, Quek, & Maheed
2015	<i>The Guilford Press</i>	Harter, S.	N/A
2013	<i>The American journal of psychiatry</i>	Hasin, D. S.	O'Brien, C. P., Auriacombe, M., Borges, G., Bucholz, K., Budney, A., Compton, W. M., Crowley, T., Ling, W., Petry, N. M., Schuckit, M., & Grant, B. F.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task
Youth Insight About Social Media Effects on Well/Ill-Being and Self-Modulating Efforts
The body positivity movement is not all that positive on TikTok: A content analysis of body positive TikTok videos
What Role Does Striatal Dopamine Play in Goal-directed Action?
Investigating the Effect of Full and Partial Social Media Abstinence on Fear of Missing Out and Well-Being Outcomes: A Daily Diary Experimental Approach
The Construction of the Self: Developmental and Sociocultural Foundations (Second)
DSM-5 criteria for substance use disorders: recommendations and rationale

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Hare, T. A., Tottenham, N., Galvan, A., Voss, H. U., Glover, G. H., & Casey, B. J. (2008). Biological substrates of emotional reactivity and regulation in adolescence during an emotional go-nogo task. <i>Biological Psychiatry</i> , 63(10), 927–934. https://doi.org/10.1016/j.biopsych.2008.03.015
Harness, J., Fitzgerald, K., Sullivan, H., & Selkie, E. (2022). Youth Insight About Social Media Effects on Well/Ill-Being and Self-Modulating Efforts. <i>Journal of Adolescent Health</i> , 71 (3). https://doi.org/10.1016/j.jadohealth.2022.04.011
Harriger, J. A., Wick, M. R., Sherline, C. M., & Kunz, A. L. (2023). The body positivity movement is not all that positive on TikTok: A content analysis of body positive TikTok videos. <i>Body Image</i> , 46 , 256–264. https://doi.org/10.1016/j.bodyim.2023.06.003
Hart, G., Burton, T. J., & Balleine, B. W. (2024). What Role Does Striatal Dopamine Play in Goal-directed Action? <i>Neuroscience</i> , 546, 20–32. https://doi.org/10.1016/j.neuroscience.2024.03.020
Hartanto, A., Kasturiratna, K. T. A. S., Kothari, M., Goh, A. Y. H., Quek, F. Y. X., & Majeed, N. M. (2025). Investigating the effect of full and partial social media abstinence on fear of missing out and well-being outcomes: A daily diary experimental approach. <i>Psychology of Popular Media</i> . Advance online publication. https://doi.org/10.1037/ppm0000583
Harter, S. (2015). <i>The Construction of the Self: Developmental and Sociocultural Foundations</i> (Second). The Guilford Press.
Hasin, D. S., O'Brien, C. P., Auriacombe, M., Borges, G., Bucholz, K., Budney, A., Compton, W. M., Crowley, T., Ling, W., Petry, N. M., Schuckit, M., & Grant, B. F. (2013). DSM-5 criteria for substance use disorders: recommendations and rationale. <i>The American journal of psychiatry</i> , 170(8), 834–851. https://doi.org/10.1176/appi.ajp.2013.12060782

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Body Image</i>	Hawes	Zimmer-Gembeck, Campbell
2017	<i>Social Science Computer Review</i>	Hawi, N. S.	Samaha, M.
2016	<i>Social Media + Society</i>	Hayes, R. A.	Carr, C. T. & Wohn, D. Y.
2018	<i>Social Media + Society</i>	Hayes	Wesselmann, Carr
2025	<i>Computers in Human Behavior</i>	He, X.	Chen, Y., Zhang, W., & Li, C.-S. R.
2023	<i>Brain Science</i>	He, X.	Hu, J., Yin, M., Zhang, W., & Qiu, B.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Unique associations of social media use and online appearancepreoccupation with depression, anxiety, and appearance rejectionssensitivity
The Relations Among Social Media Addiction, Self-Esteem, and Life Satisfaction in University Students
It's the audience: differences in social support across social media
When Nobody “Likes” You: Perceived Ostracism Through Paralinguistic Digital Affordances Within Social Media
Elevated loss sensitivity in the reward circuit in adolescents with video game but not social media addiction.
Screen Media Use Affects Subcortical Structures, Resting-State Functional Connectivity, and Mental Health Problems in Early Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Hawes, T., Zimmer-Gembeck, M. J., & Campbell, S. M. (2020). Unique associations of social media use and online appearance preoccupation with depression, anxiety, and appearance rejection sensitivity. *Body Image*, 33 (33), 66–76.
<https://doi.org/10.1016/j.bodyim.2020.02.010>

Hawi, N. S., & Samaha, M. (2017). The Relations Among Social Media Addiction, Self-Esteem, and Life Satisfaction in University Students. *Social Science Computer Review*, 35(5), 576–586.
<https://doi.org/10.1177/0894439316660340>

Hayes, R. A., Carr, C. T., & Wohn, D. Y. (2016). Its the audience: differences in social support across social media. *Social Media + Society*, 2(4). <https://doi.org/10.1177/2056305116678894>

Hayes, R. A., Wesselmann, E. D., & Carr, C. T. (2018). When Nobody “Likes” You: Perceived Ostracism Through Paralinguistic Digital Affordances Within Social Media. *Social Media + Society*, 4(3). <https://doi.org/10.1177/2056305118800309>

He, X., Chen, Y., Zhang, W., & Li, C.-S. R. (2025). Elevated loss sensitivity in the reward circuit in adolescents with video game but not social media addiction. *Computers in Human Behavior* 165
<https://doi.org/10.1016/j.chb.2025.108554>

He, X., Hu, J., Yin, M., Zhang, W., & Qiu, B. (2023). Screen Media Use Affects Subcortical Structures, Resting-State Functional Connectivity, and Mental Health Problems in Early Adolescence, *Brain Science* 13, 1452
<https://doi.org/10.3390/brainsci13101452>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>Chronobiology International</i>	Heath	Sutherland, Bartel, Gradisar, Williamson, Lovato, Micic
2002	<i>Nature Reviews Neuroscience</i>	Heeger, D. J.	Ress, D.
2019	<i>Clinical Psychological Science</i>	Heffer, T.	Good, M., Daly, O., MacDonell, E., & Willoughby, T.
2019	<i>Clinical Psychological Science</i>	Heffer	Good, Daly, MacDonell, & Willoughby
2016	<i>Social Cognitive and Affective Neuroscience</i>	Heller, A. S.	Cohen, A. O., Dreyfuss, M. F. W., & Casey, B. J.
2017	<i>Computers in Human Behavior</i>	Hendrickse	Arpan, Clayton, Ridgway

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Does one hour of bright or short-wavelength filtered tablet screenlight have a meaningful effect on adolescents' pre-bedtime alertness, sleep, and daytime functioning?
What does fMRI tell us about neuronal activity?
The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al.
The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018)
Changes in cortico-subcortical and subcortico-subcortical connectivity impact cognitive control to emotional cues across development
Instagram and college women's body image: Investigating the roles of appearance-related comparisons and intrasexual competition

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Heath, M., Sutherland, C., Bartel, K., Gradisar, M., Williamson, P., Lovato, N., & Micic, G. (2014). Does one hour of bright or short-wavelength filtered tablet screenlight have a meaningful effect on adolescents' pre-bedtime alertness, sleep, and daytime functioning? *Chronobiology International*, 31 (4), 496–505. <https://doi.org/10.3109/07420528.2013.872121>

Heeger, D. J., & Ress, D. (2002). What does fMRI tell us about neuronal activity? *Nature Reviews Neuroscience*, 3(2), 142–151. <https://doi.org/10.1038/nrn730>

Heffer, T., Good, M., Daly, O., MacDonell, E., & Willoughby, T. (2019). The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018). *Clinical Psychological Science*, 7(3), 462–470.

Heffer, T., Good, M., Daly, O., MacDonell, E., & Willoughby, T. (2019). The Longitudinal Association Between Social-Media Use and Depressive Symptoms Among Adolescents and Young Adults: An Empirical Reply to Twenge et al. (2018). *Clinical Psychological Science*, 7(3), 462–470. <https://doi.org/10.1177/2167702618812727>

Heller, A. S., Cohen, A. O., Dreyfuss, M. F. W., & Casey, B. J. (2016). Changes in cortico-subcortical and subcortico-subcortical connectivity impact cognitive control to emotional cues across development. *Social Cognitive and Affective Neuroscience*, 11(12), 1910–1918. <https://doi.org/10.1093/scan/nsw097>

Hendrickse, J., Arpan, L. M., Clayton, R. B., & Ridgway, J. L. (2017). Instagram and college women's body image: Investigating the roles of appearance-related comparisons and intrasexual competition. *Computers in Human Behavior*, 74 (9), 92–100. <https://doi.org/10.1016/j.chb.2017.04.027>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Health Communication</i>	Hendrickse	Clayton, Ray, Ridgway, Secharan
2023	<i>Body Image</i>	Hepburn	Mulgrew
2009	<i>Frontiers in Human Neuroscience</i>	Herculano-Houzel, S.	N/A
2023	<i>Translational Issues in Psychological Science</i>	Hernandez	Charmaraman, Schaefer
2021	<i>National Vital Statistics Reports</i>	Heron M.	N/A
2024	<i>European Child & Adolescent Psychiatry</i>	Herrmann	Barkmann, Bindt, Hohmann, Fahrenkrug, & Becker-Hebly
2024	<i>Neuropsychopharmacology</i>	Herzberg, M. P.	Nielsen, A. N., Luby, J., & Sylvester, C. M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Experimental Effects of Viewing Thin and Plus-size Models in Objectifying and Empowering Contexts on Instagram
An experimental investigation of whether body-positive messaging on fitspiration and diverse images can improve state body image in women
The human brain in numbers: A linearly scaled-up primate brain.
Conceptualizing the Role of Racial–Ethnic Identity in U.S. Adolescent Social Technology Use and Well-Being
Deaths: Leading Causes for 2018.
How social is social media for transgender and gender-diverse youth? Association of online social experiences with internalizing mental health problems
Measuring neuroplasticity in human development: the potential to inform the type and timing of mental health interventions

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Hendrickse, J., Clayton, R. B., Ray, E. C., Ridgway, J. L., & Secharan, R. (2020). Experimental Effects of Viewing Thin and Plus-Size Models in Objectifying and Empowering Contexts on Instagram. <i>Health Communication</i> , 36 (11), 1417–1425. https://doi.org/10.1080/10410236.2020.1761077
Hepburn, E., & Mulgrew, K. E. (2023). An experimental investigation of whether body-positive messaging on fitspiration and diverse images can improve state body image in women. <i>Body Image</i> , 47 , 101642. https://doi.org/10.1016/j.bodyim.2023.101642
Herculano-Houzel, S. (2009). The human brain in numbers: A linearly scaled-up primate brain. <i>Frontiers in Human Neuroscience</i> 3 (Art. 31) 1-11, doi: 10.3389/neuro.09.031.200
Hernandez, J. M., Charmaraman, L., & Schaefer, H. S. (2023). Conceptualizing the role of racial–ethnic identity in U.S. adolescent social technology use and well-being. <i>Translational Issues in Psychological Science</i> , 9(3), 199–215. https://doi.org/10.1037/tps0000372
Heron, M. (2021). Deaths: Leading Causes for 2018. <i>National Vital Statistics Reports</i> .70 (4). https://www.cdc.gov/nchs/data/nvsr/nvsr70/nvsr70-04-508.pdf
Herrmann, L., Barkmann, C., Bindt, C., Hohmann, S., Fahrenkrug, S., & Becker-Hebly, I. (2024). How social is social media for transgender and gender-diverse youth? Association of online social experiences with internalizing mental health problems. <i>European Child & Adolescent Psychiatry</i> . https://doi.org/10.1007/s00787-024-02396-9
Herzberg, M. P., Nielsen, A. N., Luby, J., & Sylvester, C. M. (2024). Measuring neuroplasticity in human development: the potential to inform the type and timing of mental health interventions. <i>Neuropsychopharmacology</i> , 50(1), 124–136.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>The Lancet. Planetary health</i>	Hickman, C.	Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L.
2020	<i>Sleep Medicine</i>	Hisler	Twenge, Krizan
2016	<i>Social Media & Society</i>	Ho	Lee, Liao
2025	<i>Journal of the Academy of Nutrition and Dietetics</i>	Hock	Vanderlee, White, Hammond
2001	<i>Journal of consulting and clinical psychology</i>	Hodgins, D. C.	Currie, S. R., & el-Guebaly, N.
2021	<i>New Media & Society</i>	Hofer	Hargittai
2019	<i>Body Image</i>	Hogue	Mills

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey
Associations between screen time and short sleep duration among adolescents varies by media type: evidence from a cohort study
Social Network Sites, Friends, and Celebrities: The Roles of Social Comparison and Celebrity Involvement in Adolescents' Body Image Dissatisfaction
Body Weight Perceptions Among Youth From 6 Countries and Associations With Social Media Use: Findings From the International Food Policy Study
Motivational enhancement and self-help treatments for problem gambling
Online social engagement, depression, and anxiety among older adults
The effects of active social media engagement with peers on bodyimage in young women

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Hickman, C., Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L. (2021). Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey. <i>The Lancet. Planetary health</i> , 5(12), e863–e873. https://doi.org/10.1016/S2542-5196(21)00278-3
Hisler, G., Twenge, J. M., & Krizan, Z. (2020). Associations between screen time and short sleep duration among adolescents varies by media type: evidence from a cohort study. <i>Sleep medicine</i> , 66, 92–102. https://doi.org/10.1016/j.sleep.2019.08.007
Ho, S. S., Lee, E. W. J., & Liao, Y. (2016). Social Network Sites, Friends, and Celebrities: The Roles of Social Comparison and Celebrity Involvement in Adolescents' Body Image Dissatisfaction. <i>Social Media + Society</i> , 2(3). https://doi.org/10.1177/2056305116664216
Hock, K., Vanderlee, L., White, C. M., & Hammond, D. (2025). Body Weight Perceptions Among Youth From 6 Countries and Associations With Social Media Use: Findings From the International Food Policy Study. <i>Journal of the Academy of Nutrition and Dietetics</i> , 125 (1), 24–41.e7. https://doi.org/10.1016/j.jand.2024.06.223
Hodgins, D. C., Currie, S. R., & el-Guebaly, N. (2001). Motivational enhancement and self-help treatments for problem gambling. <i>Journal of consulting and clinical psychology</i> , 69(1), 50–57. https://doi.org/10.1037//0022-006x.69.1.50
Hofer, M., & Hargittai, E. (2021). Online social engagement, depression, and anxiety among older adults. <i>New Media & Society</i> , 26(1), 113-130. https://doi.org/10.1177/14614448211054377
Hogue, J. V., & Mills, J. S. (2019). The effects of active social media engagement with peers on body image in young women. <i>Body Image</i> , 28 (1), 1–5. https://doi.org/10.1016/j.bodyim.2018.11.002

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>International Journal of Eating Disorders</i>	Holland	Tiggemann
2022	<i>Annual review of public health</i>	Holt-Lunstad J.	N/A
2015	<i>Perspectives on Psychological Science</i>	Holt-Lunstad, J.	Smith, T. B., Baker, M., Harris, T., & Stephenson, D.
2017	<i>Trends in Neurosciences</i>	Hoops, D.	N/A
1998	<i>Journal of Chemical Ecology</i>	Hoover, K.	Kishida, K. T., DiGiorgio, L. A., Workman, J., Alaniz, S. A., Hammock, B. D., & Duffey, S. S.
2024	<i>International Journal of Molecular Sciences</i>	Hou, G.	Hao, M., Duan, J., & Han, M.-H.
2018	<i>Journal of Youth and Adolescence</i>	Houghton	Lawrence, Hunter, Rosenberg, Zadow, Wood, Shilton
1988	<i>Science</i>	House, J. S.	Landis, K. R. & Umberson, D.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
“Strong Beats Skinny Every Time”: Disordered Eating and Compulsive Exercise in Women Who Post Fitspiration on Instagram
Social Connection as a Public Health Issue: The Evidence and a Systemic Framework for Prioritizing the "Social" in Social Determinants of Health
Loneliness and social isolation as risk factors for mortality: a meta-analytic review
Making Dopamine Connections in Adolescence
Inhibition of Baculoviral Disease by Plant- Mediated Peroxidase Activity and Free Radical Generation.
The formation and function of the VTA dopamine system
Reciprocal Relationships between Trajectories of Depressive Symptoms and Screen Media Use during Adolescence
Social relationships and health

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Holland, G., & Tiggemann, M. (2017). "Strong beats skinny every time": Disordered eating and compulsive exercise in women who post fitspiration on Instagram. <i>The International journal of eating disorders</i> , 50 (1), 76–79. https://doi.org/10.1002/eat.22559
Holt-Lunstad J. (2022). Social Connection as a Public Health Issue: The Evidence and a Systemic Framework for Prioritizing the "Social" in Social Determinants of Health. <i>Annual review of public health</i> , 43, 193–213. https://doi.org/10.1146/annurev-publhealth-052020-110732
Holt-Lunstad, J., Smith, T. B., Baker, M., Harris, T., & Stephenson, D. (2015). Loneliness and social isolation as risk factors for mortality: a meta-analytic review. <i>Perspectives on Psychological Science</i> , 10(2), 227–237. https://doi.org/10.1177/1745691614568352
Hoops, D. (2017). Making Dopamine Connections in Adolescence, <i>Trends in Neurosciences</i> , 40(12):709719, 2 http://dx.doi.org/10.1016/j.tins.2017.09.004
Hoover, K., Kishida, K. T., DiGiorgio, L. A., Workman, J., Alaniz, S. A., Hammock, B. D., & Duffey, S. S. (1998). Inhibition of Baculoviral Disease by Plant-Mediated Peroxidase Activity and Free Radical Generation. <i>Journal of Chemical Ecology</i> , 24(12), 1949–2001. https://doi.org/10.1023/A:1020777407980
Hou, G., Hao, M., Duan, J., & Han, M.-H. (2024). The formation and function of the VTA dopamine system. <i>International Journal of Molecular Sciences</i> , 25(7). https://doi.org/10.3390/ijms25073875
Houghton, S., Lawrence, D., Hunter, S. C., Rosenberg, M., Zadow, C., Wood, L., & Shilton, T. (2018). Reciprocal Relationships between Trajectories of Depressive Symptoms and Screen Media Use during Adolescence. <i>Journal of Youth & Adolescence</i> , 47 (11), 2453–2467. https://doi.org/10.1007/s10964-018-0901-y
House, J. S., Landis, K. R., & Umberson, D. (1988). Social relationships and health. <i>Science</i> , 241(4865), 540–545. https://doi.org/10.1126/science.3399889

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Body Image</i>	Howard	Heron, MacIntyre, Myers, Everhart
2022	<i>Computers in Human Behavior Reports</i>	Hristova D.	Jovicic S, Göbl B, De Freitas S, Slunecko T.
2021	<i>Computers & Education</i>	Hu	Yu
2020	<i>Media Psychology</i>	Huang	Peng, Ahn
2024	<i>Current Psychology</i>	Hughes-Nind	Wang, Zhang, Tibber
2024	<i>Journal of Affective Disorders</i>	Hugues, J. C.	Nogueira-López, A., Flayelle, M., von Hammerstein, C., & Billieux, J.
2015	<i>International Journal of Eating Disorders</i>	Hummel	Smith

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Is use of social networking sites associated with young women’s body dissatisfaction and disordered eating? A look at Black–White racial differences
“Why did we lose our snapchat streak?”
The effects of ICT-based social media on adolescents' digital reading performance: A longitudinal study of PISA 2009, PISA 2012, PISA 2015 and PISA 2018
When media become the mirror: a meta-analysis on media and body image
The association between motivations for social media use, stress and academic attainment.
Journal of Affective Disorders
Ask and You Shall Receive: Desire and Receipt of Feedback via Facebook Predicts Disordered Eating Concerns

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Howard, L. M., Heron, K. E., MacIntyre, R. I., Myers, T. A., & Everhart, R. S. (2017). Is use of social networking sites associated with young women's body dissatisfaction and disordered eating? A look at Black–White racial differences. *Body Image* , 23 , 109–113. <https://doi.org/10.1016/j.bodyim.2017.08.008>

Hristova, D., Jovicic, S., Göbl, B., de Freitas, S., & Slunecko, T. (2022). “Why did we lose our Snapchat Streak?”: Social media gamification and metacommunication. *Computers in Human Behavior Reports* , 5 , Article 100172. <https://doi.org/10.1016/j.chbr.2022.100172>

Hu, J., & Yu, R. (2021). The effects of ICT-based social media on adolescents' digital reading performance: A longitudinal study of PISA 2009, PISA 2012, PISA 2015 and PISA 2018. *Computers & Education* , 175 , 104342. <https://doi.org/10.1016/j.compedu.2021.104342>

Huang, Q., Peng, W., & Ahn, S. (2020). When media become the mirror: a meta-analysis on media and body image. *Media Psychology* , 24 (4), 437–489. <https://doi.org/10.1080/15213269.2020.1737545>

Hughes-Nind, J., Wang, M., Zhang, C., & Tibber, M. S. (2024). The association between motivations for social media use, stress and academic attainment. *Current Psychology* . <https://doi.org/10.1007/s12144-024-06392-9>

Hugues, J. C., Nogueira-López, A., Flayelle, M., von Hammerstein, C., & Billieux, J. (2024). Spilling the tea about milk tea addiction—A reply to Qu et al. (2023). *Journal of Affective Disorders*, 346, 133–134. <https://doi.org/10.1016/j.jad.2023.10.155>

Hummel, A. C., & Smith, A. R. (2015). Ask and you shall receive: desire and receipt of feedback via Facebook predicts disordered eating concerns. *The International journal of eating disorders* , 48 (4), 436–442. <https://doi.org/10.1002/eat.22336>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Development and Psychopathology</i>	Humphreys, K.L.	Gabard-Durnam, L., Goff, B., Telzer, E.H., Flannery, J., Gee, D.G., Park, V., Lee, S.S., & Tottenham, N.
2015	<i>Developmental Psychobiology</i>	Humphreys, K.L.	Lee, S.S., Telzer, E.H., Gabard-Durnam, L.J., Goff, B., Flannery, J., & Tottenham, N.
2016	<i>Emotion</i>	Humphreys, K.L.	Telzer, E.H., Flannery, J., Goff, B., Gabard-Durnam, L., Gee, D.G., Lee, S.S., & Tottenham, N.
2018	<i>Journal of Social and Clinical Psychology.</i>	Hunt M.	Young J, Marx R, Lipson C.
2018	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Marx, R., Lipson, C., & Young, J.
2018	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Marx, R., Lipson, C., & Young
2023	<i>Journal of Social and Clinical Psychology</i>	Hunt, M. G.	Xu, E., Fogelson, A., & Rubens

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Friendship and social functioning following early institutional rearing: The role of ADHD symptoms
Exploration-exploitation strategy is dependent on early experience
Risky decision-making from childhood through adulthood: Contributions of learning and sensitivity to negative feedback
No More FOMO: Limiting Social Media Decreases Loneliness and Depression.
No more FOMO: limiting social media decreases loneliness and depression
No More FOMO: Limiting Social Media Decreases Loneliness and Depression
Follow Friends One Hour a Day: Limiting Time on Social Media and Muting Strangers Improves Well-Being

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Humphreys, K.L., Gabard-Durnam, L., Goff, B., Telzer, E.H., Flannery, J., Gee, D.G., Park, V., Lee, S.S., & Tottenham, N. (2019). Friendship and social functioning following early institutional rearing: The role of ADHD symptoms. <i>Development and Psychopathology</i> , 31, 1477-1487. https://doi.org/10.1017/S0954579418001050
Humphreys, K.L., Lee, S.S., Telzer, E.H., Gabard-Durnam, L.J., Goff, B., Flannery, J., & Tottenham, N. (2015). Exploration-exploitation strategy is dependent on early experience. <i>Developmental Psychobiology</i> , 57, 313-321. https://doi.org/10.1002/dev.21293
Humphreys, K.L., Telzer, E.H., Flannery, J., Goff, B., Gabard-Durnam, L., Gee, D.G., Lee, S.S., & Tottenham, N. (2016). Risky decision-making from childhood through adulthood: Contributions of learning and sensitivity to negative feedback. <i>Emotion</i> , 16, 101-109. https://doi.org/10.1037/emo0000116
Hunt M, Young J, Marx R, Lipson C. (2018). No More FOMO: Limiting Social Media Decreases Loneliness and Depression. <i>Journal of Social and Clinical Psychology</i> . 37. 751-768.
Hunt, M. G., Marx, R., Lipson, C., & Young, J. (2018). No more FOMO: limiting social media decreases loneliness and depression. <i>Journal of Social and Clinical Psychology</i> , 37(10), 751–768. https://doi.org/10.1521/jscp.2018.37.10.751
Hunt, M. G., Marx, R., Lipson, C., & Young, J. (2018). No More FOMO: Limiting Social Media Decreases Loneliness and Depression. <i>Journal of Social and Clinical Psychology</i> , 37 (10), 751–768. https://doi.org/10.1521/jscp.2018.37.10.751
Hunt, M. G., Xu, E., Fogelson, A., & Rubens, J. (2023). Follow Friends One Hour a Day: Limiting Time on Social Media and Muting Strangers Improves Well-Being. <i>Journal of Social and Clinical Psychology</i> , 42 (3), 187–213. https://doi.org/10.1521/jscp.2023.42.3.187

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Journal of Social and Clinical Psychology</i>	Hunt, M.	All, K., Burns, B., & Li, K.
1979	<i>Brain Research</i>	Huttenlocher, P. R.	N/A
2015	<i>BMJ Open</i>	Hysing, M.	Pallesen, S., Stormark, K. M., Jakobsen, R., Lundervold, A. J., & Sivertsen, B.
2017	<i>Nature Communications</i>	Insel, C.	Kastman, E. K., Glenn, C. R., & Somerville, L. H.
2019	<i>Neuropsychopharmacology</i>	Ioannidis, K.	Hook, R., Wickham, K., Grant, J. E., & Chamberlain, S. R.
2012	<i>Obesity facts</i>	Iozzo, P.	Guiducci, L., Guzzardi, M. A., & Pagotto, U.
2019	N/A	Ito, M.	Martin, C., Rafalow, M., Tekinbas, K., Wortman, A., & Pfister, R.
2020	<i>Journal of affective disorders</i>	Ivie, E. J.	Pettitt, A., Moses, L. J., & Allen, N. B.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Too Much of a Good Thing: Who We Follow, What We Do, And How Much Time We Spend on Social Media Affects Well-Being
Synaptic density in human frontal cortex - developmental changes and effects of aging
Sleep and use of electronic devices in adolescence: results from a large population-based study
Development of corticostriatal connectivity constrains goal-directed behavior during adolescence
Impulsivity in Gambling Disorder and problem gambling: A meta-analysis.
Brain PET imaging in obesity and food addiction: current evidence and hypothesis. Obesity facts, 5(2), 155–164. https://doi.org/10.1159/000338328
Online Affinity Networks as Contexts for Connected Learning In CAMBRIDGE HANDBOOK OF MOTIVATION AND LEARNING
A meta-analysis of the association between adolescent social media use and depressive symptoms

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Hunt, M., All, K., Burns, B., & Li, K. (2021). Too Much of a Good Thing: Who We Follow, What We Do, And How Much Time We Spend on Social Media Affects Well-Being. <i>Journal of Social and Clinical Psychology</i> , 40 (1), 46–68. https://doi.org/10.1521/jscp.2021.40.1.46</p>
<p>Huttenlocher, P. R. (1979). Synaptic density in human frontal cortex - developmental changes and effects of aging. <i>Brain Research</i> , 163(2), 195–205. https://doi.org/10.1016/0006-8993(79)90349-4</p>
<p>Hysing, M., Pallesen, S., Stormark, K. M., Jakobsen, R., Lundervold, A. J., & Sivertsen, B. (2015). Sleep and use of electronic devices in adolescence: results from a large population-based study. <i>BMJ Open</i> , 5(1), e006748. https://doi.org/10.1136/bmjopen-2014-006748</p>
<p>Insel, C., Kastman, E. K., Glenn, C. R., & Somerville, L. H. (2017). Development of corticostriatal connectivity constrains goal-directed behavior during adolescence. <i>Nature Communications</i> , 8 (1). https://doi.org/10.1038/s41467-017-01369-8</p>
<p>Ioannidis, K., Hook, R., Wickham, K., Grant, J. E., & Chamberlain, S. R. (2019). Impulsivity in Gambling Disorder and problem gambling: A meta-analysis. <i>Neuropsychopharmacology</i>, 44(8), 1354–1361. https://doi.org/10.1038/s41386-019-0393-9</p>
<p>Iozzo, P., Guiducci, L., Guzzardi, M. A., & Pagotto, U. (2012). Brain PET imaging in obesity and food addiction: current evidence and hypothesis. <i>Obesity facts</i>, 5(2), 155–164. https://doi.org/10.1159/000338328</p>
<p>Ito, M., Martin, C., Rafalow, M., Tekinbas, K., Wortman, A., & Pfister, R. (2019). Online Affinity Networks as Contexts for Connected Learning. In CAMBRIDGE HANDBOOK OF MOTIVATION AND LEARNING. Retrieved from https://escholarship.org/uc/item/0zg5p7m</p>
<p>Ivie, E. J., Pettitt, A., Moses, L. J., & Allen, N. B. (2020). A meta-analysis of the association between adolescent social media use and depressive symptoms. <i>Journal of affective disorders</i> , 275 , 165–174. https://doi.org/10.1016/j.jad.2020.06.014</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1997	<i>Movement Disorders</i>	Jaber, M.	Jones, S., Giros, B., & Caron, M. G.
2025	<i>Scientific Reports</i>	Janssen, L. H. C.	Valkenburg, P. M., Keijsers, L., & Beyens, I.
2023	<i>Computers in Human Behavior</i>	Jarman	Fuller-Tyskiewicz, McLean, Rodgers, Slater, Gordon, Paxton
2021	<i>Journal of Youth and Adolescence</i>	Jarman	Marques, McLean, Slater, Paxton
2022	<i>Social Psychiatry and Psychiatric Epidemiology</i>	Jarman	McLean, Paxton, Sibley, & Marques
2021	<i>New Media & Society</i>	Jarman	McLean, Slater, Marques, Paxton
2015	<i>Journal of Psychiatry and Neuroscience</i>	Jaworska, N. & MacQueen	MacQueen, G.
2019	<i>Clinical Psychological Science</i>	Jensen	George, Russell, Piontak, & Odgers

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The dopamine transporter: A crucial component regulating dopamine transmission.
A harsher reality for adolescents with depression on social media
Who's most at risk of poor body image? Identifying subgroups of adolescent social media users over the course of a year
Motivations for Social Media Use: Associations with Social Media Engagement and Body Satisfaction and Well-Being among Adolescents
Examination of the temporal sequence between social media use and well-being in a representative sample of adults
Direct and indirect relationships between satisfaction: A prospective study among adolescent boys and girls
Adolescence as a unique developmental period
Young Adolescents' Digital Technology Use and Mental Health Symptoms: Little Evidence of Longitudinal or Daily Linkages

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Jaber, M., Jones, S., Giros, B., & Caron, M. G. (1997). The dopamine transporter: A crucial component regulating dopamine transmission. <i>Movement Disorders</i>, 12(5), 629–633. https://doi.org/10.1002/mds.870120502</p>
<p>Janssen, L. H. C., Valkenburg, P. M., Keijsers, L., & Beyens, I. (2025). A harsher reality for adolescents with depression on social media. <i>Scientific Reports</i> , 15 (1). https://doi.org/10.1038/s41598-025-89762-y</p>
<p>Jarman, H. K., Fuller-Tyszkiewicz, M., McLean, S. A., Rodgers, R. F., Slater, A., Gordon, C. S., & Paxton, S. J. (2023). Who’s most at risk of poor body image? Identifying subgroups of adolescent social media users over the course of a year. <i>Computers in Human Behavior</i> , 147 , 107823–107823. https://doi.org/10.1016/j.chb.2023.107823</p>
<p>Jarman, H. K., Marques, M. D., McLean, S. A., Slater, A., & Paxton, S. J. (2021). Motivations for Social Media Use: Associations with Social Media Engagement and Body Satisfaction and Well-Being among Adolescents. <i>Journal of Youth and Adolescence</i> , 50 (12). https://doi.org/10.1007/s10964-020-01390-z</p>
<p>Jarman, H. K., McLean, S. A., Paxton, S. J., Sibley, C. G., & Marques, M. D. (2022). Examination of the temporal sequence between social media use and well-being in a representative sample of adults. <i>Social Psychiatry and Psychiatric Epidemiology</i> . https://doi.org/10.1007/s00127-022-02363-2</p>
<p>Jarman, H. K., McLean, S. A., Slater, A., Marques, M. D., & Paxton, S. J. (2021). Direct and indirect relationships between social media use and body satisfaction: A prospective study among adolescent boys and girls. <i>New Media & Society</i>, 26(1), 292–312. https://doi.org/10.1177/14614448211058468</p>
<p>Jaworska, N. & MacQueen, G. (2015). Adolescence as a unique developmental period. <i>Journal of Psychiatry and Neuroscience</i>; 40(5):291-293.</p>
<p>Jensen, M., George, M. J., Russell, M. R., & Odgers, C. L. (2019). Young Adolescents’ Digital Technology Use and Mental Health Symptoms: Little Evidence of Longitudinal or Daily Linkages. <i>Clinical Psychological Science</i>, 7(6), 1416–1433. https://doi.org/10.1177/2167702619859336</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Computers in Human Behavior</i>	Jin	Ryu, Muqaddam
2016	<i>Journal of Pediatric Nursing</i>	Petrisko, Chasens	Petrisko, Chasens
2018	<i>Developmental Cognitive Neuroscience</i>	Johnson, C.L.	Telzer, E.H.
2009	<i>The Journal of Adolescent Health</i>	Johnson, S. B.	Blum, R. W. & Giedd, J. N.
2022	<i>Personality and Individual Differences</i>	Jones	Hook, Podduturi, McKeen, Beitzell, Liss
2019	<i>Addiction</i>	Jones, A.	Remmerswaal, D., Verveer, I., Robinson, E., Franken, I. H. A., Wen, C. K. F., & Field, M.
2024	<i>Social Science & Medicine</i>	Jones	Rudaizky, Mahalingham, & Clarke

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Dieting 2.0!: Moderating effects of Instagrammers' body image and Instafame on other Instagrammers' dieting intention
Adolescent Sleep and the Impact of Technology Use Before Sleep on Daytime Function
Magnetic resonance elastography for examining developmental changes in the mechanical properties of the brain
Adolescent maturity and the brain: the promise and pitfalls of neuroscience research in adolescent health policy
Mindfulness as a mediator in the relationship between social mediaengagement and depression in young adults
Compliance with ecological momentary assessment protocols in substance users: a meta-analysis
Investigating the links between objective social media use, attentional control, and psychological distress

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Jin, S. V., Ryu, E., & Muqaddam, A. (2018). Dieting 2.0!: Moderating effects of Instagrammers' body image and Instafame on other Instagrammers' dieting intention. <i>Computers in Human Behavior</i> , 87 , 224–237. https://doi.org/10.1016/j.chb.2018.06.001
Johansson, A. E. E., Petrisko, M. A., & Chasens, E. R. (2016). Adolescent Sleep and the Impact of Technology Use Before Sleep on Daytime Function. <i>Journal of Pediatric Nursing</i> , 31 (5), 498–504. https://doi.org/10.1016/j.pedn.2016.04.004
Johnson, C.L., & Telzer, E.H. (2018). Magnetic resonance elastography for examining developmental changes in the mechanical properties of the brain. <i>Developmental Cognitive Neuroscience</i> , 33, 176-181. https://doi.org/10.1016/j.dcn.2017.08.010 . Special Issue on Methodological Challenges in Developmental Neuroimaging.
Johnson, S. B., Blum, R. W., & Giedd, J. N. (2009). Adolescent maturity and the brain: the promise and pitfalls of neuroscience research in adolescent health policy. <i>The Journal of Adolescent Health</i> , 45(3), 216–221. https://doi.org/10.1016/j.jadohealth.2009.05.016
Jones, A., Hook, M., Podduturi, P., McKeen, H., Beitzell, E., & Liss, M. (2022). Mindfulness as a mediator in the relationship between social media engagement and depression in young adults. <i>Personality and Individual Differences</i> , 185 (185), 111284. https://doi.org/10.1016/j.paid.2021.111284
Jones, A., Remmerswaal, D., Verveer, I., Robinson, E., Franken, I. H. A., Wen, C. K. F., & Field, M. (2019). Compliance with ecological momentary assessment protocols in substance users: a meta-analysis. <i>Addiction</i> , 114(4), 609–619. https://doi.org/10.1111/add.14503
Jones, C. N., Patrick J.F. Clarke, Rudaizky, D., & Tamsin Mahalingham. (2024). Investigating the Links Between Objective Social Media Use, Attentional Control, and Psychological Distress. <i>Social Science & Medicine</i> , 361 , 117400–117400. https://doi.org/10.1016/j.socscimed.2024.117400

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>medRxiv.</i>	Jones, R. E.	Sands, L. P., Trattner, J. D., Jiang, A., Johnson, C. K., Farkas, E. B., Gligorovic, P. V., Douglas, H. E., Ramos, R., & Kishida, K. T.
2025	<i>Behaviour & Information Technology</i>	Jones	Reppa, Reed
2020	<i>Frontiers for Young Minds</i>	Jorgensen, N. A.	Telzer, E. H.
2025	<i>Developmental Psychology</i>	Jorgensen, N.A.†.	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2020	<i>Frontiers for Young Minds</i>	Jorgensen, N.A†.	Telzer, E.H.
2023	<i>Social Cognitive Affective Neuroscience</i>	Jorgensen, N.A†.	Muscatell, K.A., McCormick, E.M†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2014	<i>European Journal of Psychology of Education</i>	Jozsa, K.	Morgan, G. A.
2022	<i>Computers in Human Behavior</i>	Jung, Barron, Lee, Swami	Jung, Barron, Lee, Swami

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Computational Phenotyping of Treatment-Resistant Depression prior to Electroconvulsive Therapy
Social media dependency, depression and self-esteem for cymraeg and english-speaking adolescents
Who Does Your Brain Think You Are? The Science of Thinking About Yourself
Early adolescents' ethnic-racial identity in relation to longitudinal growth in perspective taking
Who does your brain think you are? The neuroscience of thinking about yourself
Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents
Developmental changes in cognitive persistence and academic achievement between grade 4 and grade 8
Social media usage and body image: Examining the mediating roles of internalization of appearance ideals and social comparisons in young women

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Jones, R. E., Sands, L. P., Trattner, J. D., Jiang, A., Johnson, C. K., Farkas, E. B., Gligorovic, P. V., Douglas, H. E., Ramos, R., & Kishida, K. T. (2024A). Computational Phenotyping of Treatment-Resistant Depression prior to Electroconvulsive Therapy 2024.10.02.24314360). medRxiv. https://doi.org/10.1101/2024.10.02.24314360
Jones, R., Reppa, I., & Reed, P. (2025). Social media dependency, depression and self-esteem for Cymraeg and English-speaking adolescents. <i>Behaviour & Information Technology</i> , 1–14. https://doi.org/10.1080/0144929X.2025.2455395
Jorgensen, N. A., & Telzer, E. H. (2020, November 2). Who Does Your Brain Think You Are? The Science of Thinking About Yourself. <i>Frontiers for Young Minds</i> .
Jorgensen, N.A.†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2025). Early adolescents’ ethnic-racial identity in relation to longitudinal growth in perspective taking. <i>Developmental Psychology</i> , 61, 105-112. https://doi.org/10.1037/dev0001861
Jorgensen, N.A.†. & Telzer, E.H. (2020). Who does your brain think you are? The neuroscience of thinking about yourself. <i>Frontiers for Young Minds</i> , 8, 1-7. https://doi.org/10.3389/frym.2020.529762
Jorgensen, N.A.†., Muscatell, K.A., McCormick, E.M.†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents. <i>Social Cognitive Affective Neuroscience</i> , 18, nsac053. https://doi.org/10.1093/scan/nsac053
Jozsa, K., & Morgan, G. A. (2014). Developmental changes in cognitive persistence and academic achievement between grade 4 and grade 8. <i>European Journal of Psychology of Education</i> , 29(3), 521–535. https://doi.org/10.1007/s10212-014-0211-z
Jung, J., Barron, D., Lee, Y.-A., & Swami, V. (2022). Social media usage and body image: Examining the mediating roles of internalization of appearance ideals and social comparisons in young women. <i>Computers in Human Behavior</i> , 135 , 107357. https://doi.org/10.1016/j.chb.2022.107357

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>International Journal of Adolescence and Youth</i>	Käcko	Hemberg, & Nyman-Kurkiala
2020	<i>Computers in Human Behavior</i>	Kahlow	Coker, & Richards
2000	<i>McGraw-Hill New York</i>	Kandell, E.	et. al.
2022	<i>Psychological Medicine</i>	Kandola	Owen, Dunstan, & Hallgren
2023	<i>Scientific reports</i>	Kang, Y.	Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B.
2023	<i>Scientific Reports</i>	Kang, Y.	Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B.
2025	<i>New Media & Society</i>	Kaňková	Stevic, Binder, & Matthes

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The double-sided coin of loneliness and social media – young adults’ experiences and perceptions
The multimodal nature of Snapchat in close relationships: Toward a social presence-based theoretical framework
Principles of neural science (Vol. 4). McGraw-hill New York
Prospective relationships of adolescents’ screen-based sedentary behaviour with depressive symptoms: the Millennium Cohort Study
Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life
Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life
Time to BeReal! Exploring users’ well-being in relation to BeReal use duration

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Käcko, E., Hemberg, J., & Nyman-Kurkiala, P. (2024). The double-sided coin of loneliness and social media – young adults’ experiences and perceptions. <i>International Journal of Adolescence and Youth</i> , 29 (1). https://doi.org/10.1080/02673843.2024.2306889
Kahlow, J. A., Coker, M. C., & Richards, R. (2020). The multimodal nature of Snapchat in close relationships: Toward a social presence-based theoretical framework. <i>Computers in Human Behavior</i> , 111 , 106409. https://doi.org/10.1016/j.chb.2020.106409
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Kandola, A., Owen, N., Dunstan, D. W., & Hallgren, M. (2022). Prospective relationships of adolescents’ screen-based sedentary behaviour with depressive symptoms: the Millennium Cohort Study. <i>Psychological Medicine</i> , 52 (15), 3531–3539. doi:10.1017/S0033291721000258
Kang, Y., Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B. (2023). Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life. <i>Scientific reports</i> , 13(1), 20501. https://doi.org/10.1038/s41598-023-46040-z
Kang, Y., Ahn, J., Cosme, D., Mwilambwe-Tshilobo, L., McGowan, A., Zhou, D., Boyd, Z. M., Jovanova, M., Stanoi, O., Mucha, P. J., Ochsner, K. N., Bassett, D. S., Lydon-Staley, D., & Falk, E. B. (2023). Frontoparietal functional connectivity moderates the link between time spent on social media and subsequent negative affect in daily life. <i>Scientific Reports</i> , 13(1), 20501. https://doi.org/10.1038/s41598-023-46040-z
Kaňková, J., Stevic, A., Binder, A., & Matthes, J. (2025). Time to BeReal! Exploring users’ well-being in relation to BeReal use duration. <i>New Media & Society</i> , 0(0). https://doi.org/10.1177/14614448251317689

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Developmental Cognitive Neuroscience</i>	Karan, M.	Lazar, L., Leschak, C.J., Galvan, A., Eisenberger, N.I., Uy, J.P., Dieffenbach, M.C., Crone, E.A., Telzer, E.H., & Fuligni, A.J.
2024	<i>Journal of Experimental Psychology</i>	Mikami	Khalis, & Karasavva
2015	<i>Journal of Behavioral Addictions</i>	Kardefelt-Winther, D.	N/A
2017	<i>Addiction</i>	Kardefelt-Winther, D.	Heeren, A., Schimmenti, A., van Rooij, A., Maurage, P., Carras, M., Edman, J., Blaszczynski, A., Khazaal, Y., & Billieux, J.
2020	<i>Cureus</i>	Karim F.	Oyewande AA, Abdalla LF, Chaudhry Ehsanullah R, Khan S.
2017	<i>Psychology of Women Quarterly</i>	Karsay	Knoll, Matthes
2020	<i>International Journal of Adolescence and Youth.</i>	Keles B.	McCrae N, Grealish A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Giving to others and neural processing during adolescence
Logging Out or Leaning In? Social Media Strategies for Enhancing Well-Being
Commentary on: Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research: Problems with atheoretical and confirmatory research approaches in the study of behavioral addictions.
How can we conceptualize behavioural addiction without pathologizing common behaviours?
Social Media Use and Its Connection to Mental Health: A Systematic Review.
Sexualizing Media Use and Self-Objectification: A Meta-Analysis
A systematic review: the influence of social media on depression, anxiety and psychological distress in adolescents.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Karan, M., Lazar, L., Leschak, C.J., Galvan, A., Eisenberger, N.I., Uy, J.P., Dieffenbach, M.C., Crone, E.A., Telzer, E.H., & Fuligni, A.J. (2022). Giving to others and neural processing during adolescence. *Developmental Cognitive Neuroscience* , 56, 101128. <https://doi.org/10.1016/j.dcn.2022.101128>

Karasavva, V., Khalis, A., & Mikami, A. (2024). Logging Out or Leaning In? Social Media Strategies for Enhancing Well-Being. *Journal of Experimental Psychology: General* . <https://doi.org/10.1037/xge0001668>

Kardefelt-Winther, D. (2015). Commentary on: Are we overpathologizing everyday life? A tenable blueprint for behavioral addiction research: Problems with atheoretical and confirmatory research approaches in the study of behavioral addictions. *Journal of Behavioral Addictions*, 4(3), 126–129. <https://doi.org/10.1556/2006.4.2015.019>

Kardefelt-Winther, D., Heeren, A., Schimmenti, A., van Rooij, A., Maurage, P., Carras, M., Edman, J., Blaszczynski, A., Khazaal, Y., & Billieux, J. (2017). How can we conceptualize behavioural addiction without pathologizing common behaviours? *Addiction*, 112(10), 1709–1715. <https://doi.org/10.1111/add.13763>

Karim, F., Oyewande, A. A., Abdalla, L. F., Chaudhry Ehsanullah, R., & Khan, S. (2020). Social Media Use and Its Connection to Mental Health: A Systematic Review. *Cureus* , 12 (6), e8627. <https://doi.org/10.7759/cureus.8627>

Karsay, K., Knoll, J., & Matthes, J. (2017). Sexualizing Media Use and Self-Objectification. *Psychology of Women Quarterly* , 42 (1), 9–28. <https://doi.org/10.1177/0361684317743019>

Keles B, McCrae N, Grealish A. (2020). A systematic review: the influence of social media on depression, anxiety and psychological distress in adolescents, *International Journal of Adolescence and Youth*, 25:1, 79-93.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>International Journal of Adolescence and Youth</i>	Keles, B.	McCrae, N., & Grealish, A.
2020	<i>Computers in Human Behavior</i>	Kelly	Keaten, Millette
2020	<i>Computets in Human Behavior</i>	Kereste	Stulhofer
2021	<i>Journal of Neurochemistry</i>	Kesner, A. J.	Lovinger, D. M.
2020	<i>Economics of Education Review</i>	Kessel, D.	Hardardottir, H. L. & Tyrefors, B.
2008	<i>Psychological medicine</i>	Kessler, R. C.	Hwang, I., LaBrie, R., Petukhova, M., Sampson, N. A., Winters, K. C., & Shaffer, H. J.
2015	<i>Pediatrics</i>	Keyes, K. M.	Maslowsky, J., Hamilton, A., & Schulenberg, J.
2023	<i>Journal of Child Psychology & Psychiatry .</i>	Keyes, K. M.	Platt, J. M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A systematic review: The influence of social media on depression, anxiety and psychological distress in adolescents.
Seeking safer spaces: The mitigating impact of young adults' Facebook and Instagram audience expectations and posting type on fear of negative evaluation
Adolescents' online social network use and life satisfaction: A latent growth curve modeling approach
Cannabis use, abuse, and withdrawal: Cannabinergic mechanisms, clinical, and preclinical findings.
The impact of banning mobile phones in Swedish secondary schools
DSM-IV pathological gambling in the National Comorbidity Survey Replication
The great sleep recession: changes in sleep duration among US adolescents, 1991-2012
Annual Research Review: Sex, Gender, and Internalizing Conditions Among Adolescents in the 21st Century - Trends, Causes, Consequences.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Keles, B., McCrae, N., & Grealish, A. (2020). A systematic review: The influence of social media on depression, anxiety and psychological distress in adolescents. <i>International Journal of Adolescence and Youth</i> , 25(1), 79–93. https://doi.org/10.1080/02673843.2019.1590851
Kelly, L., Keaten, J. A., & Millette, D. (2020). Seeking Safer Spaces: The Mitigating Impact of Young Adults’ Facebook and Instagram Audience Expectations and Posting Type on Fear of Negative Evaluation. <i>Computers in Human Behavior</i> , 106333. https://doi.org/10.1016/j.chb.2020.106333
Keresteš, G., & Štulhofer, A. (2020). Adolescents’ online social network use and life satisfaction: A latent growth curve modeling approach. <i>Computers in Human Behavior</i> , 104, 106187. https://doi.org/10.1016/j.chb.2019.106187
Kesner, A. J., & Lovinger, D. M. (2021). Cannabis use, abuse, and withdrawal: Cannabinergic mechanisms, clinical, and preclinical findings. <i>Journal of Neurochemistry</i> , 157(5), 1674–1696. https://doi.org/10.1111/jnc.15369
Kessel, D., Hardardottir, H. L., & Tyrefors, B. (2020). The impact of banning mobile phones in Swedish secondary schools. <i>Economics of Education Review</i> , 77, 102009. https://doi.org/10.1016/j.econedurev.2020.102009
Kessler, R. C., Hwang, I., LaBrie, R., Petukhova, M., Sampson, N. A., Winters, K. C., & Shaffer, H. J. (2008). DSM-IV pathological gambling in the National Comorbidity Survey Replication. <i>Psychological medicine</i> , 38(9), 1351–1360. https://doi.org/10.1017/S0033291708002900
Keyes, K. M., Maslowsky, J., Hamilton, A., & Schulenberg, J. (2015). The great sleep recession: changes in sleep duration among US adolescents, 1991-2012. <i>Pediatrics</i> , 135(3), 460–468. https://doi.org/10.1542/peds.2014-2707
Keyes, K. M., Platt, J. M. (2023). Annual Research Review: Sex, Gender, and Internalizing Conditions Among Adolescents in the 21st Century - Trends, Causes, Consequences. <i>Journal of Child Psychology & Psychiatry</i> . 65(4), 384-407. https://acamh.onlinelibrary.wiley.com/doi/10.1111/jcpp.13864

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Journal of Adolescence</i>	Khan	Thomas, Karatela, Morawska, & Werner-Seidler
2024	<i>Journal of Adolescence</i>	Khan	Khan, Thomas, Karatela, Morawska, Werner-Seidler
2025	<i>Health Communication</i>	Kharkwal, A.	Clayton, R. B., Park, J., Ridgway, J. L., & Merle, P.
2015	<i>Neuron</i>	Kidd, C.	Hayden, B. Y.
2024	<i>Affective Science</i>	Kilic	McKone, Stout, Grad-Frellich, Ladouceur, Choukas-Bradley, & Silk
2020	<i>New Media & Society</i>	Kim	N/A
2006	<i>PLoS Biology</i>	Kim, H.	Shimojo, S. & O'Doherty, J. P.
2015	<i>Computers in Human Behavior</i>	Kim	Chock

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Intense and problematic social media use and sleep difficulties of adolescents in 40 countries.
Intense and problematic social media use and sleep difficulties of adolescents in 40 countries
Are Instagram Gym Advertisements Working Out? An Experimental Study of Model Body-Size and Slogan-Type
The Psychology and Neuroscience of Curiosity.
Overthinking over Screens: Girls Ruminates More After Negative Social Media Interactions with Peers Compared to In-Person Interactions
What do others' reactions to body posting on Instagram tell us? The effects of social media comments on viewers' body image perception
Is avoiding an aversive outcome rewarding? Neural substrates of avoidance learning in the human brain
Body image 2.0: Associations between social grooming on Facebook and body image concerns

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Khan, A., Thomas, G., Karatela, S., Morawska, A., & Werner-Seidler, A. (2024). Intense and problematic social media use and sleep difficulties of adolescents in 40 countries. <i>Journal of Adolescence (London, England. Print)</i> , 96 (5). https://doi.org/10.1002/jad.12321
Khan, A., Thomas, G., Karatela, S., Morawska, A., & Werner-Seidler, A. (2024). Intense and problematic social media use and sleep difficulties of adolescents in 40 countries. <i>Journal of adolescence</i> , 96 (5), 1116–1125. https://doi.org/10.1002/jad.12321
Kharkwal, A., Clayton, R. B., Park, J., Ridgway, J. L., & Merle, P. (2025). Are Instagram Gym Advertisements Working Out? An Experimental Study of Model Body-Size and Slogan-Type. <i>Health Communication</i> , 40(2), 210–221. https://doi.org/10.1080/10410236.2024.2342489
Kidd, C., & Hayden, B. Y. (2015). The Psychology and Neuroscience of Curiosity. <i>Neuron</i> , 88(3), 449–460. https://doi.org/10.1016/j.neuron.2015.09.010
Kilic, Z., McKone, K. M. P., Stout, C. D., Grad-Freilich, M. J., Ladouceur, C. D., Choukas-Bradley, S., & Silk, J. S. (2024). Overthinking over Screens: Girls Ruminate More After Negative Social Media Interactions with Peers Compared to In-Person Interactions. <i>Affective Science</i> . https://doi.org/10.1007/s42761-024-00258-w
Kim, H. M. (2020). What do others’ reactions to body posting on Instagram tell us? The effects of social media comments on viewers’ body image perception. <i>New Media & Society</i> , 23(12), 3448-3465. https://doi.org/10.1177/1461444820956368
Kim, H., Shimojo, S., & O’Doherty, J. P. (2006). Is avoiding an aversive outcome rewarding? Neural substrates of avoidance learning in the human brain. <i>PLoS Biology</i> , 4(8), e233. https://doi.org/10.1371/journal.pbio.0040233
Kim, J. W., & Chock, T. M. (2015). Body image 2.0: Associations between social grooming on Facebook and body image concerns. <i>Computers in Human Behavior</i> , 48 (1), 331–339. https://doi.org/10.1016/j.chb.2015.01.009

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>The Social Science Journal</i>	Kim	Park
2012	<i>Frontiers in Integrative Neuroscience</i>	Kishida, K. T.	N/A
2007	<i>Antioxidants & Redox Signaling</i>	Kishida, K. T.	Klann, E.
2009	<i>Oxidative Neural Injury</i>	Kishida, K. T.	Klann, E.
2012	<i>Biological Psychiatry</i>	Kishida, K. T.	Montague, P. R.
2021	<i>Affect Dynamics</i>	Kishida, K. T.	Sands, L. P.
2019	<i>Biological Psychology</i>	Kishida, K. T.	De Asis-Cruz, J., Treadwell-Deering, D., Liebenow, B., Beauchamp, M. S., & Montague, P. R.
2006	<i>Molecular and Cellular Biology</i>	Kishida, K. T.	Hoeffler, C. A., Hu, D., Pao, M., Holland, S. M., & Klann, E.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Who is at risk on Facebook? The effects of Facebook NewsFeed photographs on female college students' appearancesatisfaction
A computational approach to "free will" constrained by the games we play.
Sources and Targets of Reactive Oxygen Species in Synaptic Plasticity and Memory.
Reactive Oxygen Species, Synaptic Plasticity, and Memory.
Imaging Models of Valuation During Social Interaction in Humans.
A Dynamic Affective Core to Bind the Contents, Context, and Value of Conscious Experience.
Diminished single-stimulus response in vmPFC to favorite people in children diagnosed with Autism Spectrum Disorder.
Synaptic Plasticity Deficits and Mild Memory Impairments in Mouse Models of Chronic Granulomatous Disease.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Kim, M., & Park, W. (2016). Who is at risk on Facebook? The effects of Facebook News Feed photographs on female college students' appearance satisfaction. <i>The Social Science Journal</i> , 53 (4), 427–434. https://doi.org/10.1016/j.sosci.2016.08.007
Kishida, K. T. (2012). A computational approach to “free will” constrained by the games we play. <i>Frontiers in Integrative Neuroscience</i> , 6. https://doi.org/10.3389/fnint.2012.00085
Kishida, K. T., & Klann, E. (2007). Sources and Targets of Reactive Oxygen Species in Synaptic Plasticity and Memory. <i>Antioxidants & Redox Signaling</i> , 9(2), 233–244. https://doi.org/10.1089/ars.2007.9.233
Kishida, K. T., & Klann, E. (2009). Reactive Oxygen Species, Synaptic Plasticity, and Memory. In S. C. Veasey (Ed.), <i>Oxidative Neural Injury</i> (pp. 1–27). Humana Press. https://doi.org/10.1007/978-1-60327-342-8_1
Kishida, K. T., & Montague, P. R. (2012). Imaging Models of Valuation During Social Interaction in Humans. <i>Biological Psychiatry</i> , 72(2), 93–100. https://doi.org/10.1016/j.biopsych.2012.02.037
Kishida, K. T., & Sands, L. P. (2021). A Dynamic Affective Core to Bind the Contents, Context, and Value of Conscious Experience. In C. E. Waugh & P. Kuppens (Eds.), <i>Affect Dynamics</i> (pp. 293–328). Springer International Publishing. https://doi.org/10.1007/978-3-030-82965-0_12
Kishida, K. T., De Asis-Cruz, J., Treadwell-Deering, D., Liebenow, B., Beauchamp, M. S., & Montague, P. R. (2019). Diminished single-stimulus response in vmPFC to favorite people in children diagnosed with Autism Spectrum Disorder. <i>Biological Psychology</i> , 145, 174–184. https://doi.org/10.1016/j.biopsycho.2019.04.009
Kishida, K. T., Hoeffler, C. A., Hu, D., Pao, M., Holland, S. M., & Klann, E. (2006). Synaptic Plasticity Deficits and Mild Memory Impairments in Mouse Models of Chronic Granulomatous Disease. <i>Molecular and Cellular Biology</i> , 26(15), 5908–5920. https://doi.org/10.1128/MCB.00269-06

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2010	<i>Neuron</i>	Kishida, K. T.	King-Casas, B., & Montague, P. R.
2012	<i>Journal of Neurodevelopmental Disorders</i>	Kishida, K. T.	Li, J., Schwind, J., & Montague, P. R.
2005	<i>Journal of Neurochemistry</i>	Kishida, K. T.	Pao, M., Holland, S. M., & Klann, E.
2016	<i>Proceedings of the National Academy of Sciences</i>	Kishida, K. T.	Saez, I., Lohrenz, T., Witcher, M. R., Laxton, A. W., Tatter, S. B., White, J. P., Ellis, T. L., Phillips, P. E. M., & Montague, P. R.
2011	<i>PLOS ONE</i>	Kishida, K. T.	Sandberg, S. G., Lohrenz, T., Comair, Y. G., Sáez, I., Phillips, P. E. M., & Montague, P. R.
2018	<i>Media Psychology.</i>	Kleemans M.	Daalmans S, Carbaat I, Anschütz D.
2016	<i>Media Psychology</i>	Kleemans, M.	Daalmans, S., Carbaat, I., & Anschütz, D.
2018	<i>Media Psychology</i>	Kleemans	Daalmans, S., Carbaat, I., Ansc

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neuroeconomic Approaches to Mental Disorders.
New approaches to investigating social gestures in autism spectrum disorder.
NADPH oxidase is required for NMDA receptor-dependent activation of ERK in hippocampal area CA1.
Subsecond dopamine fluctuations in human striatum encode superposed error signals about actual and counterfactual reward.
Sub-Second Dopamine Detection in Human Striatum.
Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls.
Picture perfect: the direct effect of manipulated instagram photos on body image in adolescent girls
Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Kishida, K. T., King-Casas, B., & Montague, P. R. (2010). Neuroeconomic Approaches to Mental Disorders. <i>Neuron</i> , 67(4), 543–554. https://doi.org/10.1016/j.neuron.2010.07.021
Kishida, K. T., Li, J., Schwind, J., & Montague, P. R. (2012). New approaches to investigating social gestures in autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 4(1), 14. https://doi.org/10.1186/1866-1955-4-14
Kishida, K. T., Pao, M., Holland, S. M., & Klann, E. (2005). NADPH oxidase is required for NMDA receptor-dependent activation of ERK in hippocampal area CA1. <i>Journal of Neurochemistry</i> , 94(2), 299–306. https://doi.org/10.1111/j.1471-4159.2005.03189.x
Kishida, K. T., Saez, I., Lohrenz, T., Witcher, M. R., Laxton, A. W., Tatter, S. B., White, J. P., Ellis, T. L., Phillips, P. E. M., & Montague, P. R. (2016). Subsecond dopamine fluctuations in human striatum encode superposed error signals about actual and counterfactual reward. <i>Proceedings of the National Academy of Sciences</i> , 113(1), 200–205. https://doi.org/10.1073/pnas.1513619112
Kishida, K. T., Sandberg, S. G., Lohrenz, T., Comair, Y. G., Sáez, I., Phillips, P. E. M., & Montague, P. R. (2011). Sub-Second Dopamine Detection in Human Striatum. <i>PLOS ONE</i> , 6(8), e23291. https://doi.org/10.1371/journal.pone.0023291
Kleemans M, Daalmans S, Carbaat I, Anschütz D. (2018). Picture Perfect: The Direct Effect of Manipulated Instagram Photos on Body Image in Adolescent Girls. <i>Media Psychology</i> , 21:1, 93-110.
Kleemans, M., Daalmans, S., Carbaat, I., & Anschütz, D. (2016). Picture perfect: the direct effect of manipulated instagram photos on body image in adolescent girls. <i>Media Psychology</i> , 21(1), 1–18. https://doi.org/10.1080/15213269.2016.1257392
Kleemans, M., Daalmans, S., Carbaat, I., & Anschütz, D. (2018). Picture perfect: The direct effect of manipulated instagram photos on body image in adolescent girls. <i>Media Psychology</i> , 21(1), 93–110. https://doi.org/10.1080/15213269.2016.1257392

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2001	<i>The Journal of Neuroscience</i>	Knutson, B.	Adams, C. M., Fong, G. W., & Hommer, D.
2000	<i>NeuroImage</i>	Knutson, B.	Westdorp, A., Kaiser, E., & Hommer, D.
2019	<i>Proceedings of the National Academy of Sciences</i>	Kobayashi, K.	Hsu, M.
2024	<i>Neuron</i>	Kobayashi, K.	Kable, J. W.
2021	<i>Frontiers in Psychology</i>	Koessmeier, C.	Büttner, O. B.
2016	<i>First Monday</i>	Kofoed J.	Larsen M.
2021	<i>Scandinavian Journal of Psychology</i>	Kokoç, M.	N/A
1998	<i>Annual Review of Psychology</i>	Kolb, B.	Whishaw, I. Q.
2016	<i>Lancet Psychiatry.</i>	Koob GF.	Volkow ND.
2016	<i>The Lancet</i>	Koob, D. G. F.	Volkow, N.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Anticipation of increasing monetary reward selectively recruits nucleus accumbens
FMRI Visualization of Brain Activity during a Monetary Incentive Delay Task.
Common neural code for reward and information value.
Neural mechanisms of information seeking.
Why are we distracted by social media? distraction situations and strategies, reasons for distraction, and individual differences
A snap of intimacy: Photo-sharing practices among young people on social media.
The mediating role of attention control in the link between multitasking with social media and academic performances among adolescents
BRAIN PLASTICITY AND BEHAVIOR
Neurobiology of addiction: a neurocircuitry analysis.
Neurobiology of addiction: A neurocircuitry analysis

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Knutson, B., Adams, C. M., Fong, G. W., & Hommer, D. (2001). Anticipation of increasing monetary reward selectively recruits nucleus accumbens. <i>The Journal of Neuroscience</i> , 21(16), RC159. https://doi.org/10.1523/JNEUROSCI.21-16-j0002.2001
Knutson, B., Westdorp, A., Kaiser, E., & Hommer, D. (2000). FMRI Visualization of Brain Activity during a Monetary Incentive Delay Task. <i>NeuroImage</i> , 12(1), 20–27. https://doi.org/10.1006/nimg.2000.0593
Kobayashi, K., & Hsu, M. (2019). Common neural code for reward and information value. <i>Proceedings of the National Academy of Sciences</i> , 116(26), 13061–13066. https://doi.org/10.1073/pnas.1820145116
Kobayashi, K., & Kable, J. W. (2024). Neural mechanisms of information seeking. <i>Neuron</i> , 112(11), 1741–1756. https://doi.org/10.1016/j.neuron.2024.04.008
Koessmeier, C., & Büttner, O. B. (2021). Why are we distracted by social media? distraction situations and strategies, reasons for distraction, and individual differences. <i>Frontiers in Psychology</i> , 12, 711416. https://doi.org/10.3389/fpsyg.2021.711416
Kofoed, J., & Larsen, M. C. (2016). A snap of intimacy: Photo-sharing practices among young people on social media. <i>First Monday</i> , 21 (11). https://doi.org/10.5210/fm.v21i11.6905
Kokoç, M. (2021). The mediating role of attention control in the link between multitasking with social media and academic performances among adolescents. <i>Scandinavian Journal of Psychology</i> , 62(4), 493–501. https://doi.org/10.1111/sjop.12731
Kolb, B., & Whishaw, I. Q. (1998). BRAIN PLASTICITY AND BEHAVIOR. <i>Annual Review of Psychology</i> , 49 (1), 43–64. https://doi.org/10.1146/annurev.psych.49.1.43
Koob GF, Volkow ND. (2016). Neurobiology of addiction: a neurocircuitry analysis. <i>Lancet Psychiatry</i> , 3(8):760-773.
Koob, D. G. F., & Volkow, N. (2016). Neurobiology of addiction: A neurocircuitry analysis, <i>The Lancet</i> 3:760-73

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2003	<i>Alcohol Clin Exp Res</i>	Koob, G. F.	N/A
2013	<i>Curr Topics Behav Neurosci</i>	Koob, G. F.	N/A
2015	<i>Computers in Human Behavior</i>	Koutamanis	Vossen, Valkenburg
2010	<i>Frontiers in behavioral neuroscience</i>	Krach S.	Paulus, F.M., Bodden, M., Kircher, T.
2024	<i>Emotion</i>	Kramer	Roos, Schoedel, Wrzus, & Richter
2008	<i>Health Education Research</i>	Krayer, A.	Ingledeu, D. K. & Iphofen, R.
2021	<i>The Journal of adolescent health : official publication of the Society for Adolescent Medicine</i>	Kreski, N.	Platt, J., Rutherford, C., Olfson, M., Odgers, C., Schulenberg, J., & Keyes, K. M.
2019	<i>Emotion</i>	Kross	Verduyn, Boyer, Drake, Gainsburg, Vickers, Ybarra, & Jonides

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Alcoholism: Allostasis and Beyond
Theoretical Frameworks and Mechanistic Aspects of Alcohol Addiction: Alcohol Addiction as a Reward Deficit Disorder
Adolescents' comments in social media: Why do adolescents receive negative feedback and who is most at risk?
The rewarding nature of social interactions.
Social Dynamics and Affect: Investigating Within-Person Associations in Daily Life Using Experience Sampling and Mobile Sensing
Social comparison and body image in adolescence: a grounded theory approach
Social Media Use and Depressive Symptoms Among United States Adolescents.
Does Counting Emotion Words on Online Social Networks Provide a Window Into People's Subjective Experience of Emotion? A Case Study on Facebook

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Koob, G. F. (2003). Alcoholism: Allostasis and Beyond, <i>Alcohol Clin Exp Res</i> , 27(2):232-243
Koob, G. F. (2013). Theoretical Frameworks and Mechanistic Aspects of Alcohol Addiction: Alcohol Addiction as a Reward Deficit Disorder, <i>Curr Topics Behav Neurosci</i> 13: 3-30
Koutamanis, M., Vossen, H. G. M., & Valkenburg, P. M. (2015). Adolescents' Comments in Social media: Why Do Adolescents Receive Negative Feedback and Who Is Most at risk? <i>Computers in Human Behavior</i> , 53 (1), 486–494. https://doi.org/10.1016/j.chb.2015.07.016
Krach, S., Paulus, F. M., Bodden, M., & Kircher, T. (2010). The rewarding nature of social interactions. <i>Frontiers in behavioral neuroscience</i> , 4 , 22. https://doi.org/10.3389/fnbeh.2010.00022
Krämer, M. D., Roos, Y., Schoedel, R., Wrzus, C., & Richter, D. (2024). Social dynamics and affect: Investigating within-person associations in daily life using experience sampling and mobile sensing. <i>Emotion</i> , 24(3), 878–893. https://doi.org/10.1037/emo0001309
Krayer, A., Ingledew, D. K., & Iphofen, R. (2008). Social comparison and body image in adolescence: a grounded theory approach. <i>Health Education Research</i> , 23(5), 892–903. https://doi.org/10.1093/her/cym076
Kreski, N., Platt, J., Rutherford, C., Olfson, M., Odgers, C., Schulenberg, J., & Keyes, K. M. (2021). Social Media Use and Depressive Symptoms Among United States Adolescents. <i>The Journal of adolescent health : official publication of the Society for Adolescent Medicine</i> , 68(3), 572–579. https://doi.org/10.1016/j.jadohealth.2020.07.006
Kross, E., Verduyn, P., Boyer, M., Drake, B., Gainsburg, I., Vickers, B., Ybarra, O., & Jonides, J. (2019). Does counting emotion words on online social networks provide a window into people's subjective experience of emotion? A case study on Facebook. <i>Emotion</i> , 19 (1), 97–107. https://doi.org/10.1037/emo0000416

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1976	<i>Social Science Research.</i>	Kunz P.	Woolcott M.
2024	<i>Computers in Human Behavior</i>	Kurten	Ghai, Odgers, Kievit, Orben
2016	<i>Improving social media measurement in surveys: Avoiding acquiescence bias in Facebook research. Computers in Human Behavior, 57, 82–92. https://doi.org/10.1016/j.chb.2015.12.008</i>	Kuru, O.	Kuru, O., & Pasek, J.
2022	<i>Research on Child and Adolescent Psychopathology</i>	Kurup, A. R.	George, M. J., Burnell, K., & Underwood, M. K.
2023	#N/A	Kurz, D.B.	Jahng, S.
2017	<i>International journal of environmental research and public health</i>	Kuss, D. J.	Griffiths, M. D.
2019	<i>Adultspan Journal</i>	Kuther, T. L.	Burnell, K.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Season's greetings: From my status to yours.
Deprivation's role in adolescent social media use and its links to life satisfaction
Improving social media measurement in surveys: Avoiding acquiescence bias in Facebook research.
A longitudinal investigation of observed adolescent text-based sexting and adjustment
Texas' teens face a social media ban: A new start or a recipe for destructive isolation? Research Association for Interdisciplinary Studies.
Social Networking Sites and Addiction: Ten Lessons Learned
A life span developmental perspective on psychosocial development in midlife

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Kunz, P. R., & Woolcott, M. (1976). Season's greetings: From my status to yours. <i>Social Science Research</i> , 5 (3), 269–278. https://doi.org/10.1016/0049-089x(76)90003-x
Kurten, S., Ghai, S., Odgers, C., Kievit, R. A., & Orben, A. (2024). Deprivation's role in adolescent social media use and its links to life satisfaction. <i>Computers in Human Behavior</i> , 108541–108541. https://doi.org/10.1016/j.chb.2024.108541
Kuru, O., & Pasek, J. (2016). Improving social media measurement in surveys: Avoiding acquiescence bias in Facebook research. <i>Computers in Human Behavior</i> , 57, 82–92. https://doi.org/10.1016/j.chb.2015.12.008
Kurup, A. R., George, M. J., Burnell, K., & Underwood, M. K. (2022). A longitudinal investigation of observed adolescent text-based sexting and adjustment. <i>Research on Child and Adolescent Psychopathology</i> , 50 , 431-445.
Kurz DB, Jahng S. RAIS Conference Proceedings 2022-2023. 2022. [December 28, 2023]. Texas' teens face a social media ban: A new start or a recipe for destructive isolation? Research Association for Interdisciplinary Studies.
Kuss, D. J., & Griffiths, M. D. (2017). Social Networking Sites and Addiction: Ten Lessons Learned. <i>International journal of environmental research and public health</i> , 14(3), 311. https://doi.org/10.3390/ijerph14030311
Kuther, T. L. & Burnell, K. (2019). A life span developmental perspective on psychosocial development in midlife. <i>Adultspan Journal</i> , 18, 27-39.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Sleep Medicine</i>	Kuula, L.	Pesonen, A.-K., Martikainen, S., Kajantie, E., Lahti, J., Strandberg, T., Tuovinen, S., Heinonen, K., Pyhälä, R., Lahti, M., & Räikkönen, K.
2023	<i>Body Image</i>	Kvardova, N.	Machackova, H. & Gulec, H.
2023	<i>Body Image</i>	Kvardova	Machackova, Gulec
2025	<i>Computers in Human Behavior</i>	Kvardova	Maes, Vandenbosch
2022	<i>Nature Reviews Psychology</i>	Kwon, S†.	Telzer, E.H.
2020	<i>Current Addiction Reports</i>	Kwon, S†.	Turpyn, C.C†., Duell, N†., & Telzer, E.H.
2021	<i>Journal of Research on Adolescence</i>	Kwon, S†.	Do, K.D†., McCormick, E.M†., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Poor sleep and neurocognitive function in early adolescence
“I wish my body looked like theirs!”: How positive appearance comments on social media impact adolescents’ body dissatisfaction
‘I wish my body looked like theirs!’: How positive appearance comments on social media impact adolescents’ body dissatisfaction
BoPo online, BoPo offline? Engagement with body positivity posts, positive appearance comments on social media, and adolescents’ appearance-related prosocial tendencies
Social contextual risk taking in adolescence
Neural underpinnings of social contextual influences on adolescent risk taking
Neural correlates of conflicting social influence on adolescent risk-taking

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Kuula, L., Pesonen, A.-K., Martikainen, S., Kajantie, E., Lahti, J., Strandberg, T., Tuovinen, S., Heinonen, K., Pyhälä, R., Lahti, M., & Rääkkönen, K. (2015). Poor sleep and neurocognitive function in early adolescence. *Sleep Medicine*, 16(10), 1207–1212. <https://doi.org/10.1016/j.sleep.2015.06.017>

Kvardova, N., Machackova, H., & Gulec, H. (2023). “I wish my body looked like theirs!”: How positive appearance comments on social media impact adolescents’ body dissatisfaction. *Body Image*, 47, 101630. <https://doi.org/10.1016/j.bodyim.2023.101630>

Kvardova, N., Machackova, H., & Gulec, H. (2023). “I wish my body looked like theirs!”: How positive appearance comments on social media impact adolescents’ body dissatisfaction. *Body Image*, 47, 101630. <https://doi.org/10.1016/j.bodyim.2023.101630>

Kvardova, N., Maes, C., Vandenbosch, L. (2025). BoPo online, BoPo offline? Engagement with body positivity posts, positive appearance comments on social media, and adolescents' appearance-related prosocial tendencies,

Kwon, S†. & Telzer, E.H. (2022). Social contextual risk taking in adolescence. *Nature Reviews Psychology*, 1, 393-406. <https://doi.org/10.1038/s44159-022-00060-0>

Kwon, S†. Turpyn, C.C†., Duell, N†., & Telzer, E.H. (2020). Neural underpinnings of social contextual influences on adolescent risk taking. *Current Addiction Reports*, 7, 413-420. <https://doi.org/10.1007/s40429-020-00328-6>

Kwon, S†., Do, K.D†., McCormick, E.M†., & Telzer, E.H. (2021). Neural correlates of conflicting social influence on adolescent risk-taking. *Journal of Research on Adolescence*, 31, 139-152. <https://doi.org/10.1111/jora.12587>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Frontiers in Behavioral Neuroscience</i>	Kwon, S†.	Ivory, S†., McCormick, E.M†., & Telzer, E.H.
2024	<i>Developmental Cognitive Neuroscience</i>	Kwon, S†.	Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Journal of Neuroscience</i>	Kwon, S†.	van Hoorn, J†., Do, K.D†., Burroughs, M†. & Telzer, E.H.
2024	<i>Developmental Cognitive Neuroscience</i>	Kwon, S†.	van Hoorn, J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2023	<i>Journal of Cognitive Neuroscience</i>	Kwon, S†.	Flannery, J.E.†, Prinstein M.J., Lindquist, K.A., & Telzer, E.H.
2022	<i>Social Cognitive and Affective Neuroscience</i>	Kwon, S†.	Turpyn, C.C†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H.
2012	<i>Neuroimage</i>	Kwong, K. K.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Behavioral and neural dysregulation to social rewards and links to internalizing symptoms in adolescents
Friendship changes differentially predict neural correlates of decision-making for friends across adolescence
Neural representation of donating time and money
Age-related changes in ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later
Behavioral and neural trajectories of risk taking for peer and parent in adolescence
Self-oriented neural circuitry predicts other-oriented adaptive risks in adolescence: A longitudinal study
Record of a single fMRI experiment in May of 1991

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Kwon, S†., Ivory, S†., McCormick, E.M†., & Telzer, E.H. (2019). Behavioral and neural dysregulation to social rewards and links to internalizing symptoms in adolescents. *Frontiers in Behavioral Neuroscience* , 23, 1-12.

<https://doi.org/10.3389/fnbeh.2019.00158>. Special issue on Social and Non-Social Reward: Neural Mechanisms Implicated in Reward Processing Across Domains and Contexts

Kwon, S†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Friendship changes differentially predict neural correlates of decision-making for friends across adolescence. *Developmental Cognitive Neuroscience*, 65, 101342.

<https://doi.org/10.1016/j.dcn.2024.101342>

Kwon, S†., van Hoorn, J†., Do, K.D†., Burroughs, M†. & Telzer, E.H. (2023). Neural representation of donating time and money. *Journal of Neuroscience*, 36, 6297-6305.

<https://doi.org/10.1523/JNEUROSCI.0480-23.2023>

Kwon, S†., van Hoorn, J†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2024). Age-related changes in ventrolateral prefrontal cortex activation are associated with daily prosocial behaviors two years later. *Developmental Cognitive Neuroscience*, 67, 101394. <https://doi.org/10.1016/j.dcn.2024.101394>

Kwon, S†., Flannery, J.E.†, Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2023). Behavioral and neural trajectories of risk taking for peer and parent in adolescence. *Journal of Cognitive Neuroscience*, 35, 802-815. https://doi.org/10.1162/jocn_a_01974

Kwon, S†., Turpyn, C.C†., Prinstein M.J., Lindquist, K.A., & Telzer, E.H. (2022). Self-oriented neural circuitry predicts other-oriented adaptive risks in adolescence: A longitudinal study. *Social Cognitive and Affective Neuroscience* , 17, 161-171. <https://doi.org/10.1093/scan/nsab076>

Kwong, K. K. (2012). Record of a single fMRI experiment in May of 1991. *Neuroimage* , 62(2), 610–612.

<https://doi.org/10.1016/j.neuroimage.2011.07.089>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Body Image</i>	Lacroix, E.	Smith, A. J., Husain, I. A., Orth, U., & von Ranson, K. M.
2010	<i>Social Development</i>	LaFontana, K. M.	Cillessen, A. H. N.
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Lambert, J.	Barnstable, G., Minter, E., Cooper, J., & McEwan, D.
2019	<i>Journal of Adolescent Health</i>	Lapierre	Zhao, & Custer
1996	<i>Developmental Psychology</i>	Larson, R. W.	Richards, M. H., Moneta, G., Holmbeck, G., & Duckett, E.
2001	<i>American journal of community psychology</i>	Larson, R. W.	Richards, M. H., Sims, B., & Dworkin, J.
2015	<i>International Journal of Adolescence and Youth</i>	Latzer	Spivak-Lavi, Katz

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Normative body image development: A longitudinal meta-analysis of mean-level change
Developmental changes in the priority of perceived status in childhood and adolescence
Taking a One-Week Break from Social Media Improves Well-Being, Depression, and Anxiety: A Randomized Controlled Trial
Short-Term Longitudinal Relationships Between Smartphone Use/Dependency and Psychological Well-Being Among Late Adolescents
Changes in adolescents' daily interactions with their families from ages 10 to 18: Disengagement and transformation
How urban African American young adolescents spend their time: time budgets for locations, activities, and companionship
Disordered eating and media exposure among adolescent girls: the role of parental involvement and sense of empowerment

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Lacroix, E., Smith, A. J., Husain, I. A., Orth, U., & von Ranson, K. M. (2023). Normative body image development: A longitudinal meta-analysis of mean-level change. <i>Body Image</i> , 45, 238–264. https://doi.org/10.1016/j.bodyim.2023.03.003
LaFontana, K. M., & Cillessen, A. H. N. (2010). Developmental changes in the priority of perceived status in childhood and adolescence. <i>Social Development</i> , 19(1), 130–147. https://doi.org/10.1111/j.1467-9507.2008.00522.x
Lambert, J., Barnstable, G., Minter, E., Cooper, J., & McEwan, D. (2022). Taking a One-Week Break from Social Media Improves Well-Being, Depression, and Anxiety: A Randomized Controlled Trial. <i>Cyberpsychology, Behavior, and Social Networking</i> , 25 (5). https://doi.org/10.1089/cyber.2021.0324
Lapierre, M. A., Zhao, P., & Custer, B. E. (2019). Short-Term Longitudinal Relationships Between Smartphone Use/Dependency and Psychological Well-Being Among Late Adolescents. <i>Journal of Adolescent Health</i> , 65 (5). https://doi.org/10.1016/j.jadohealth.2019.06.001
Larson, R. W., Richards, M. H., Moneta, G., Holmbeck, G., & Duckett, E. (1996). Changes in adolescents’ daily interactions with their families from ages 10 to 18: Disengagement and transformation. In <i>Developmental Psychology</i> (Vol. 32, Issue 4, pp. 744–754). American Psychological Association (APA). https://doi.org/10.1037/0012-1649.32.4.744
Larson, R. W., Richards, M. H., Sims, B., & Dworkin, J. (2001). How urban African American young adolescents spend their time: time budgets for locations, activities, and companionship. <i>American journal of community psychology</i> , 29(4), 565–597. https://doi.org/10.1023/A:1010422017731
Latzer, Y., Spivak-Lavi, Z., & Katz, R. (2015). Disordered eating and media exposure among adolescent girls: the role of parental involvement and sense of empowerment. <i>International Journal of Adolescence and Youth</i> , 20 (3), 375–391. https://doi.org/10.1080/02673843.2015.1014925

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2025	<i>Research on Child and Adolescent Psychopathology</i>	Lavell	Oar, & Rapee
2021	<i>Journal of Child and Family Studies</i>	Lawrence	Hunter, Cunneen, Houghton, Zadow, Rosenberg, Wood, Shilton
2017	<i>Pediatrics</i>	LeBourgeois	Hale, Chang, Akacem, Montgomery-Downs, Buxton
2020	<i>Current Psychology.</i>	Lee J.	N/A
2020	<i>Child Development</i>	Lee, H. Y.	Jamieson, J. P., Reis, H. T., Beevers, C. G., Josephs, R. A., Mullarkey, M. C., O'Brien, J. M., & Yeager, D. S.
2020	<i>Child Development</i>	Lee	Jamieson, Reis, Beevers, Josephs, Mullarkey, O'Brien, Yeager

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Peer relationships and social media use in adolescents with body dysmorphic disorder
Reciprocal Relationships between Trajectories of Loneliness and Screen Media Use during Adolescence
Digital Media and Sleep in Childhood and Adolescence
The effects of social comparison orientation on psychological well-being in social networking sites: Serial mediation of perceived social support and self-esteem.
Getting fewer “likes” than others on social media elicits emotional distress among victimized adolescents
Getting Fewer “Likes” Than Others on Social Media Elicits Emotional Distress Among Victimized Adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Lavell, C.H., Oar, E.L. & Rapee, R.M. (2025). Peer Relationships and Social Media Use in Adolescents with Body Dysmorphic Disorder. *Research on Child Adolescent Psychopathology*, **53**, 43–55 <https://doi.org/10.1007/s10802-024-01245-2>

Lawrence, D., Hunter, S. C., Cunneen, R., Houghton, S. J., Zadow, C., Rosenberg, M., Wood, L., & Shilton, T. (2021). Reciprocal Relationships between Trajectories of Loneliness and Screen Media Use during Adolescence. *Journal of Child and Family Studies*, *31* (5). <https://doi.org/10.1007/s10826-021-02066-3>

LeBourgeois, M. K., Hale, L., Chang, A. M., Akacem, L. D., Montgomery-Downs, H. E., & Buxton, O. M. (2017). Digital Media and Sleep in Childhood and Adolescence. *Pediatrics*, *140* (Suppl 2), S92–S96. <https://doi.org/10.1542/peds.2016-1758J>

Lee J. (2020). The effects of social comparison orientation on psychological well-being in social networking sites: Serial mediation of perceived social support and self-esteem. *Current Psychology*, *41*, 6247 - 6259. <https://doi.org/10.1007/s12144-020-01114-3>

Lee, H. Y., Jamieson, J. P., Reis, H. T., Beevers, C. G., Josephs, R. A., Mullarkey, M. C., O'Brien, J. M., & Yeager, D. S. (2020). Getting fewer “likes” than others on social media elicits emotional distress among victimized adolescents. *Child Development*, *91*(6), 2141–2159. <https://doi.org/10.1111/cdev.13422>

Lee, H. Y., Jamieson, J., Reis, H., Beevers, C., Josephs, R., Mullarkey, M., O'Brien, J., & Yeager, D. (2020). Getting Fewer “Likes” Than Others on Social Media Elicits Emotional Distress Among Victimized Adolescents. *Child Development*, *91* (6). <https://doi.org/10.1111/cdev.13422>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Computers in Human Behavior</i>	Lee	Lee
2020	<i>Journal of Sleep Research</i>	Lee	Tse, Wu, Mak, Lee
2022	<i>Journal of Adolescent Health</i>	Lee	Lohrmann, Luo, & Chow
2023	<i>JMIR MHealth and UHealth</i>	Lee, T.	Cho, Y., Cha, K. S., Jung, J., Cho, J., Kim, H., Kim, D., Hong, J., Lee, D., Keum, M., Kushida, C. A., Yoon, I.-Y., & Kim, J.-W.
2016	<i>Developmental Cognitive Neuroscience</i>	Lee, T†.	Telzer, E.H.
2017	<i>Developmental Cognitive Neuroscience</i>	Lee, T†.	Miernicki, M.E†. & Telzer, E.H.
2017	<i>NeuroImage</i>	Lee, T†.	Miernicki, M.E†. & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social media photo activity, internalization, appearance comparison, and body satisfaction: The moderating role of photo-editing behavior
Temporal association between objectively measured smartphone usage, sleep quality and physical activity among Chinese adolescents and young adults
Frequent Social Media Use and Its Prospective Association With Mental Health Problems in a Representative Panel Sample of US Adolescents
Accuracy of 11 wearable, nearable, and airable consumer sleep trackers: prospective multicenter validation study
Negative coupling between the right fronto-parietal and limbic resting state networks predicts increased self-control and later substance use onset in adolescence
Behavioral and neural concordance in parent-child dyadic sleep patterns
Families that fire together smile together: Resting state connectome similarity and daily emotional synchrony in parent-child dyads

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Lee, M., & Lee, H.-H. (2021). Social media photo activity, internalization, appearance comparison, and body satisfaction: The moderating role of photo-editing behavior. *Computers in Human Behavior* , 114 . <https://doi.org/10.1016/j.chb.2020.106579>

Lee, P. H., Tse, A. C. Y., Wu, C. S. T., Mak, Y. W., & Lee, U. (2020). Temporal association between objectively measured smartphone usage, sleep quality and physical activity among Chinese adolescents and young adults. *Journal of Sleep Research* . <https://doi.org/10.1111/jsr.13213>

Lee, S., Lohrmann, D. K., Luo, J., & Chow, A. (2022). Frequent Social Media Use and Its Prospective Association With Mental Health Problems in a Representative Panel Sample of US Adolescents. *The Journal of adolescent health : official publication of the Society for Adolescent Medicine* , 70 (5), 796–803. <https://doi.org/10.1016/j.jadohealth.2021.11.029>

Lee, T., Cho, Y., Cha, K. S., Jung, J., Cho, J., Kim, H., Kim, D., Hong, J., Lee, D., Keum, M., Kushida, C. A., Yoon, I.-Y., & Kim, J.-W. (2023). Accuracy of 11 wearable, nearable, and airable consumer sleep trackers: prospective multicenter validation study. *JMIR MHealth and UHealth* , 11, e50983. <https://doi.org/10.2196/50983>

Lee, T†. & Telzer, E.H. (2016). Negative coupling between the right fronto-parietal and limbic resting state networks predicts increased self-control and later substance use onset in adolescence. *Developmental Cognitive Neuroscience* , 20, 35-42. <https://doi.org/10.1016/j.dcn.2016.06.002>

Lee, T†., Miernicki, M.E†., & Telzer, E.H. (2017). Behavioral and neural concordance in parent-child dyadic sleep patterns. *Developmental Cognitive Neuroscience* , 26, 77-83. <https://doi.org/10.1016/j.dcn.2017.06.003>

Lee, T†., Miernicki, M.E†., & Telzer, E.H. (2017). Families that fire together smile together: Resting state connectome similarity and daily emotional synchrony in parent-child dyads. *NeuroImage* , 152, 31-37. <https://doi.org/10.1016/j.neuroimage.2017.02.078>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Emotion</i>	Lee, T†.	Perino, M.T†., McElwain, N., & Telzer, E.H.
2017	<i>Social Cognitive Affective Neuroscience</i>	Lee, T†.	Qu, Y†. & Telzer, E.H.
2018	<i>Journal of Research on Adolescence</i>	Lee, T†.	Qu, Y†. & Telzer, E.H.
2019	<i>Frontiers in Neuroscience</i>	Lee, T†.	Qu., Y†. & Telzer, E.H.
2022	<i>Journal of Early Adolescence</i>	Leggett-James	Laursen
2021	<i>Penguin.</i>	Lembke, A.	N/A
2010	<i>Pew Internet and American Life Project</i>	Lenhart, A.	Ling, R., Campbell, S. & Purcell, K.
2021	<i>Sleep Medicine</i>	Leung	Torres

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Perceiving facial affective ambiguity: A behavioral and neural comparison of adolescents and adults
Love flows downstream: mothers' and children's neural representation similarity in perceiving distress of self and family
Dyadic neural similarity during stress in mother-child dyads
Neural representation of parental monitoring and links to adolescent risk taking
The Consequences of Social Media Use Across the Transition Into Adolescence: Body Image and Physical Activity
Dopamine nation: Finding balance in the age of indulgence
Teens and Mobile Phones: Text Messaging Explodes as Teens Embrace It as the Centerpiece of Their Communication Strategies with Friends
Sleep duration does not mediate the association between screen time and adolescent depression and anxiety: findings from the 2018 National Survey of Children's Health

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Lee, T†., Perino, M.T†., McElwain, N., & Telzer, E.H. (2020). Perceiving facial affective ambiguity: A behavioral and neural comparison of adolescents and adults. <i>Emotion</i> , 20(3), 501–506. https://doi.org/10.1037/emo0000558
Lee, T†., Qu, Y†., & Telzer, E.H. (2017). Love flows downstream: mothers’ and children’s neural representation similarity in perceiving distress of self and family. <i>Social Cognitive Affective Neuroscience</i> , 12, 1916–1927. https://doi.org/10.1093/scan/nsx125
Lee, T†., Qu, Y†., & Telzer, E.H. (2018). Dyadic neural similarity during stress in mother-child dyads. <i>Journal of Research on Adolescence</i> , 28, 121-123. Special Issue on Adolescent Brain Development. https://doi.org/10.1111/jora.12334
Lee, T†., Qu, Y†., & Telzer, E.H. (2019). Neural representation of parental monitoring and links to adolescent risk taking. <i>Frontiers in Neuroscience</i> , 13, 1-9. https://doi.org/10.3389/fnins.2019.01286 Special issue on Impact of Social Context on Risk-Taking in Adolescence and Adulthood: Neurocognitive Underpinnings.
Leggett-James, M. P., & Laursen, B. (2022). The Consequences of Social Media Use Across the Transition Into Adolescence: Body Image and Physical Activity. <i>The Journal of Early Adolescence</i> , 43(7), 947-964. https://doi.org/10.1177/02724316221136043
Lembke, A. (2021). <i>Dopamine nation: Finding balance in the age of indulgence</i> . Penguin.
Lenhart, A., Ling, R., Campbell, S. & Purcell, K. (2010). Teens and Mobile Phones: Text Messaging Explodes as Teens Embrace It as the Centerpiece of Their Communication Strategies with Friends. Pew Internet and American Life Project. https://files.eric.ed.gov/fulltext/ED525059.pdf
Leung, C. Y., & Torres, R. (2021). Sleep duration does not mediate the association between screen time and adolescent depression and anxiety: findings from the 2018 National Survey of Children’s Health. <i>Sleep Medicine</i> , 81 , 227–234. https://doi.org/10.1016/j.sleep.2021.02.031

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Preventive medicine</i>	Levenson, J.C.	Shensa, A., Sidani, J.E., Colditz, J.B., Primack, B.A.
2021	<i>Preventive Medicine Reports</i>	Leventhal	Cho, Keyes, Zink, Riehm, Zhang, Ketema
2018	<i>Current Directions in Psychological Science</i>	Li, N. P.	van Vugt, M. & Colarelli, S. M.
2018	<i>Telematics & Informatics</i>	Li	Chang, Chua, & Loh
2022	<i>Social Cognitive Affective Neuroscience</i>	Li, X†.	Jorgensen, N.A†., McElwain, N.L., & Telzer, E.H.
2024	<i>Computers in Human Behavior</i>	Li	Chen, He, Li, Chen, Ru, Zhou
2024	<i>Computers in Human Behavior</i>	Li	Koning, Finkenauer, Boer, van den Eijnden

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The association between social media use and sleep disturbance among young adults.
Digital media use and suicidal behavior in U.S. adolescents, 2009-2017
The evolutionary mismatch hypothesis: implications for psychological science
“Likes” as KPI: An examination of teenage girls’ perspective on peer feedback on Instagram and its influence on coping response
Toddler-mother attachment moderates adolescents’ behavioral and neural evaluation of trustworthiness
Investigation of bi-directional relations between pre-sleep electronic media use and sleep: A seven-day dairy study
The bidirectional relationships between fear of missing out, problematic social media use and adolescents’ well-being: A random intercept cross-lagged panel model.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Levenson, J. C., Shensa, A., Sidani, J. E., Colditz, J. B., & Primack, B. A. (2016). The association between social media use and sleep disturbance among young adults. <i>Preventive medicine</i> , 85 , 36–41. https://doi.org/10.1016/j.ypmed.2016.01.001
Leventhal, A. M., Cho, J., Keyes, K. M., Zink, J., Riehm, K. E., Zhang, Y., & Ketema, E. (2021). Digital media use and suicidal behavior in U.S. adolescents, 2009–2017. <i>Preventive Medicine Reports</i> , 23 , 101497. https://doi.org/10.1016/j.pmedr.2021.101497
Li, N. P., van Vugt, M., & Colarelli, S. M. (2018). The evolutionary mismatch hypothesis: implications for psychological science. <i>Current Directions in Psychological Science</i> , 27(1), 38–44. https://doi.org/10.1177/0963721417731378
Li, P., Chang, L., Chua, T. H. H., & Loh, R. S. M. (2018). “Likes” as KPI: An examination of teenage girls’ perspective on peer feedback on Instagram and its influence on coping response. <i>Telematics and Informatics</i> , 35 (7), 1994–2005. https://doi.org/10.1016/j.tele.2018.07.003
Li, X†., Jorgensen, N.A†., McElwain, N.L., & Telzer, E.H. (2022). Toddler-mother attachment moderates adolescents’ behavioral and neural evaluation of trustworthiness. <i>Social Cognitive Affective Neuroscience</i> , 17, 828-836. https://doi.org/10.1093/scan/nsac009
Li, Y., Chen, Q., He, M., Li, S., Chen, Y., Ru, T., & Zhou, G. (2024). Investigation of bi-directional relations between pre-sleep electronic media use and sleep: A seven-day diary study. <i>Computers in Human Behavior</i> , 161 , 108423. https://doi.org/10.1016/j.chb.2024.108423
Li, Y.-Y., Koning, I. M., Finkenauer, C., Boer, M., & van den Eijnden, R.J.J.M. (2024). The bidirectional relationships between fear of missing out, problematic social media use and adolescents’ well-being: A random intercept cross-lagged panel model. <i>Computers in Human Behavior</i> , 154 , 108160–108160. https://doi.org/10.1016/j.chb.2024.108160

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Frontiers in Psychiatry</i>	Liebenow, B.	Jones, R., DiMarco, E., Trattner, J. D., Humphries, J., Sands, L. P., Spry, K. P., Johnson, C. K., Farkas, E. B., Jiang, A., & Kishida, K. T.
2018	<i>Wiley Press</i>	Lin, L†.	Telzer, E.H.
2018	<i>Culture and Brain</i>	Lin, L†.	Qu, Y†. & Telzer, E.H.
2018	<i>Proceedings of the National Academy of Sciences</i>	Lin, L†.	Qu, Y†. & Telzer, E.H.
2024	<i>European Child & Adolescent Psychiatry</i>	Lin, S.C.	Pozzi, E., Kehoe, C.E., Havighurst, S., Schwartz, O.S., Yap, M.B.H., Zhao, J., Telzer, E.H., & Whittle, S.
2025	<i>Frontiers in Public Health</i>	Lin	Cen, Chen, Guangzhou
2024	<i>Research in Aging</i>	Lin	Lachman

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Computational reinforcement learning, reward (and punishment), and dopamine in psychiatric disorders.
An introduction to cultural neuroscience (pgs. 399-420). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology
Cultural influences on the neural correlates of intergroup perception
Intergroup social influence on emotion processing in the brain
Family and parenting factors are associated with emotion regulation neural function in early adolescent girls with elevated internalizing symptoms
The impact of social media addiction on the negative emotions of adolescent athletes: The mediating role of physical appearance comparisons and sleep.
Social Media Use and Daily Well-Being: The Role of Quantity and Quality of Social Support

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Liebenow, B., Jones, R., DiMarco, E., Trattner, J. D., Humphries, J., Sands, L. P., Spry, K. P., Johnson, C. K., Farkas, E. B., Jiang, A., & Kishida, K. T. (2022). Computational reinforcement learning, reward (and punishment), and dopamine in psychiatric disorders. *Frontiers in Psychiatry*, 13.
<https://doi.org/10.3389/fpsy.2022.886297>

Lin, L†. & Telzer, E.H. (2018). An introduction to cultural neuroscience (pgs. 399-420). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). *The Handbook of Culture and Biology*. Wiley Press. <https://doi.org/10.1002/9781119181361>

Lin, L†., Qu, Y†. & Telzer, E.H. (2018). Cultural influences on the neural correlates of intergroup perception. *Culture and Brain* , 6, 171-187. Special Issue on Culture and Emotion.
<https://doi.org/https://doi.org/10.1007/s40167-018-0070-6>

Lin, L†., Qu, Y†. & Telzer, E.H. (2018). Intergroup social influence on emotion processing in the brain. *Proceedings of the National Academy of Sciences* , 115, 10630-10635.
<https://doi.org/10.1073/pnas.1802111115>

Lin, S.C., Pozzi, E., Kehoe, C.E., Havighurst, S., Schwartz, O.S., Yap, M.B.H., Zhao, J., Telzer, E.H., & Whittle, S. (2024). Family and parenting factors are associated with emotion regulation neural function in early adolescent girls with elevated internalizing symptoms. *European Child & Adolescent Psychiatry*, 33, 4381–439. <https://doi.org/10.1007/s00787-024-02481-z>

Lin, W., Cen, Z., & Chen, Y. (2025). The impact of social media addiction on the negative emotions of adolescent athletes: the mediating role of physical appearance comparisons and sleep. *Frontiers in Public Health* , 12 .
<https://doi.org/10.3389/fpubh.2024.1452769>

Lin, X. Y., & Lachman, M. E. (2024). Social Media Use and Daily Well-Being: The Role of Quantity and Quality of Social Support. *Research on Aging*, 46(5-6), 287-301. <https://doi.org/10.1177/01640275241227575>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Computers in Human B</i>	Lin	Li, Qu
2022	<i>Computers and Education Open</i>	Lin, Y.	Zhou, X.
2023	<i>Eating Disorders</i>	Linardon	N/A
2016	<i>Cerebral Cortex</i>	Lindquist, K. A.	Satpute, A. B., Wager, T. D., Weber, J., & Barrett, L. F.
2021	<i>Nature Communications</i>	Lindström, B.	Bellander, M., Schultner, D. T., Chang, A., Tobler, P. N., & Amodio, D. M.
2022	<i>Scientific reports</i>	Lira, B.	O'Brien, J. M., Peña, P. A., Galla, B. M., D'Mello, S., Yeager, D. S., Defnet, A., Kautz, T., Munkacsy, K., & Duckworth, A. L.
2022	<i>JAMA Psychiatry</i> , 79(7), 718–726.	Liu R.T.	et. al.
2019	<i>Current Opinion in Neurobiology</i>	Liu, C.	Kaeser, P. S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social network sites influence recovery from social exclusion: Individual differences in social anxiety
Bedtime smartphone use and academic performance: A longitudinal analysis from the stressor-strain-outcome perspective
Investigating longitudinal bidirectional associations between appearance comparisons to fitspiration content on Instagram, positive and negative body image, and dietary restraint
The Brain Basis of Positive and Negative Affect: Evidence from a Meta-Analysis of the Human Neuroimaging Literature
A computational reward learning account of social media engagement
Large studies reveal how reference bias limits policy applications of self-report measures
Prevalence and Correlates of Suicide and Nonsuicidal Self-injury in Children: A Systematic Review and Meta-analysis.
Mechanisms and regulation of dopamine release.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Lin, X., Li, S., & Qu, C. (2017). Social network sites influence recovery from social exclusion: Individual differences in social anxiety. *Computers in Human Behavior* , 75 , 538–546.
<https://doi.org/10.1016/j.chb.2017.05.044>

Lin, Y., & Zhou, X. (2022). Bedtime smartphone use and academic performance: A longitudinal analysis from the stressor-strain-outcome perspective. *Computers and Education Open* , 3, 100110. <https://doi.org/10.1016/j.caeo.2022.100110>

Linardon, J. (2023). Investigating longitudinal bidirectional associations between appearance comparisons to fitspiration content on Instagram, positive and negative body image, and dietary restraint. *Eating Disorders* , 31 (5), 450–463.
<https://doi.org/10.1080/10640266.2023.2190973>

Lindquist, K. A., Satpute, A. B., Wager, T. D., Weber, J., & Barrett, L. F. (2016). The Brain Basis of Positive and Negative Affect: Evidence from a Meta-Analysis of the Human Neuroimaging Literature. *Cerebral Cortex* , 26(5), 1910–1922.
<https://doi.org/10.1093/cercor/bhv001>

Lindström, B., Bellander, M., Schultner, D. T., Chang, A., Tobler, P. N., & Amodio, D. M. (2021). A computational reward learning account of social media engagement. *Nature Communications* , 12(1), 1311. <https://doi.org/10.1038/s41467-020-19607-x>

Lira, B., O'Brien, J. M., Peña, P. A., Galla, B. M., D'Mello, S., Yeager, D. S., Defnet, A., Kautz, T., Munkacsy, K., & Duckworth, A. L. (2022). Large studies reveal how reference bias limits policy applications of self-report measures. *Scientific reports*, 12(1), 19189. <https://doi.org/10.1038/s41598-022-23373-9>

Liu R.T., et. al. (2022). Prevalence and Correlates of Suicide and Nonsuicidal Self-injury in Children: A Systematic Review and Meta-analysis. *JAMA Psychiatry* , 79(7), 718–726.
<https://doi:10.1001/jamapsychiatry.2022.1256>.

Liu, C., & Kaeser, P. S. (2019). Mechanisms and regulation of dopamine release. *Current Opinion in Neurobiology*, 57, 46–53.
<https://doi.org/10.1016/j.conb.2019.01.001>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Nature Reviews Neuroscience</i>	Liu, C.	Goel, P., & Kaeser, P. S.
2022	<i>International Journal of Environmental Research and Public Health</i>	Liu	Kamper-DeMarco, K. E., Zhang, J., Xiao, J., Dong, D., Xue, P.
2006	<i>Current opinion in psychiatry</i>	Liu X.	Buyse DJ.
2024	<i>Scientific Reports</i>	Liu, Y.	Marciano, L.
2024	<i>Scientific Reports</i>	Liu	Marciano
2020	<i>Body Image</i>	Livingston	Holland, Fardouly
2022	<i>Current Psychology</i>	Lo Coco	Salerno, Giordano, Blasi, Rodgers
2020	<i>Pediatrics.</i>	Lo, C.B.	Bridge, J. A., Shi, J., Ludwig, L., & Stanley, R. M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Spatial and temporal scales of dopamine transmission.
Time spent on social media and risk of depression in adolescents A dose-response meta-analysis
Sleep and youth suicidal behavior: a neglected field.
Appname analysis reveals small or no associations between social media app-specific usage and adolescent well-being.
Appname analysis reveals small or no associations between social media app-specific usage and adolescent well-being
Exposing digital posing: The effect of social media self-disclaimercaptions on women's body dissatisfaction, mood, and impressions ofthe user
Understanding the smartphone generation: is problematic smartphone use associated with low body esteem among adolescent girls and boys?
Children's Mental Health Emergency Department Visits: 2007-2016.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Liu, C., Goel, P., & Kaeser, P. S. (2021). Spatial and temporal scales of dopamine transmission. <i>Nature Reviews Neuroscience</i> , 22(6), 345–358. https://doi.org/10.1038/s41583-021-00455-7
Liu, M., Kamper-DeMarco, K. E., Zhang, J., Xiao, J., Dong, D., & Xue, P. (2022). Time Spent on Social Media and Risk of Depression in Adolescents: A Dose-Response Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 19(9), 5164. https://doi.org/10.3390/ijerph19095164
Liu, X., & Buysse, D. J. (2006). Sleep and youth suicidal behavior: a neglected field. <i>Current opinion in psychiatry</i> , 19(3), 288–293. https://doi.org/10.1097/01.yco.00000218600.40593.18
Liu, Y., & Marciano, L. (2024). Appnme analysis reveals small or no associations between social media app-specific usage and adolescent well-being. <i>Scientific Reports</i> , 14(1), 30836. https://doi.org/10.1038/s41598-024-81665-8
Liu, Y., & Marciano, L. (2024). Appnme analysis reveals small or no associations between social media app-specific usage and adolescent well-being. <i>Scientific Reports</i> , 14(1). https://doi.org/10.1038/s41598-024-81665-8
Livingston, J., Holland, E., & Fardouly, J. (2020). Exposing digital posing: The effect of social media self-disclaimer captions on women’s body dissatisfaction, mood, and impressions of the user. <i>Body Image</i> , 32, 150–154. https://doi.org/10.1016/j.bodyim.2019.12.006
Lo Coco, G., Salerno, L., Giordano, C. <i>et al.</i> (2022). Understanding the smartphone generation: is problematic smartphone use associated with low body esteem among adolescent girls and boys?. <i>Current Psychology</i> . 3173–3184 https://doi.org/10.1007/s12144-020-00847-5
Lo, C. B., Bridge, J. A., Shi, J., Ludwig, L., & Stanley, R. M. (2020). Children's Mental Health Emergency Department Visits: 2007-2016. <i>Pediatrics</i> , 145(6), e20191536. https://doi.org/10.1542/peds.2019-1536

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2008	<i>Nature</i>	Logothetis, N. K.	N/A
2004	<i>Annual Review of Physiology</i>	Logothetis, N. K.	Wandell, B. A.
2016	<i>Philosophical Transactions of the Royal Society B: Biological Sciences</i>	Lohrenz, T.	Kishida, K. T., & Montague, P. R.
2020	<i>The International journal of eating disorders</i>	Lonergan, A. R.	Bussey, K., Fardouly, J., Griffiths, S., Murray, S. B., Hay, P., Mond, J., Trompeter, N., & Mitchison, D.
2020	<i>Child and Youth Services Review</i>	Longobardi	Settanni, Fabris, Turin, Marengo
2021	<i>Global Business Review.</i>	López E.	Flecha J, Santos-Corrada M, Dones V.
2025	<i>Addictive Behaviors Reports</i>	Loscalzo, Y.	Giannini, M.
2002	<i>Nature Reviews Neuroscience</i>	Lotharius, J.	Brundin, P.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
What we can do and what we cannot do with fMRI.
Interpreting the BOLD Signal.
BOLD and its connection to dopamine release in human striatum: A cross-cohort comparison.
Protect me from my selfie: Examining the association between photo-based social media behaviors and self-reported eating disorders in adolescence.
Follow or be followed: Exploring the links between Instagram popularity, social media addiction, cyber victimization, and subjective happiness in Italian adolescents.
The Gratifications of Ephemeral Marketing Content, the Use of Snapchat by the Millennial Generation and Their Impact on Purchase Motivation.
Methodological issues in behavioral addictions' research: A call for an unbiased analysis of excessive behaviors.
Pathogenesis of parkinson's disease: Dopamine, vesicles and α -synuclein.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Logothetis, N. K. (2008). What we can do and what we cannot do with fMRI. *Nature*, 453(7197), 869–878.

<https://doi.org/10.1038/nature06976>

Logothetis, N. K., & Wandell, B. A. (2004). Interpreting the BOLD Signal. *Annual Review of Physiology*, 66(1), 735–769.

<https://doi.org/10.1146/annurev.physiol.66.082602.092845>

Lohrenz, T., Kishida, K. T., & Montague, P. R. (2016). BOLD and its connection to dopamine release in human striatum: A cross-cohort comparison. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1705), 20150352.

<https://doi.org/10.1098/rstb.2015.0352>

Lonergan, A. R., Bussey, K., Fardouly, J., Griffiths, S., Murray, S. B., Hay, P., Mond, J., Trompeter, N., & Mitchison, D. (2020). Protect me from my selfie: Examining the association between photo-based social media behaviors and self-reported eating disorders in adolescence. *The International journal of eating disorders*, 53 (5), 485–496.

Longobardi, C., Settanni, M., Fabris, M. A., & Marengo, D. (2020). Follow or be followed: Exploring the links between Instagram popularity, social media addiction, cyber victimization, and subjective happiness in Italian adolescents. *Children and Youth Services Review*, 113, 104955.

<https://doi.org/10.1016/j.childyouth.2020.104955>

Lopez, E., Flecha-Ortiz, J. A., Santos-Corrada, M., & Dones, V. (2021). The Gratifications of Ephemeral Marketing Content, the Use of Snapchat by the Millennial Generation and Their Impact on Purchase Motivation. *Global Business Review*, 097215092110056.

<https://doi.org/10.1177/09721509211005676>

Loscalzo, Y., & Giannini, M. (2025). Methodological issues in behavioral addictions' research: A call for an unbiased analysis of excessive behaviors. *Addictive Behaviors Reports*, 21, 100594.

<https://doi.org/10.1016/j.abrep.2025.100594>

Lotharius, J., & Brundin, P. (2002). Pathogenesis of parkinson's disease: Dopamine, vesicles and α -synuclein. *Nature Reviews Neuroscience*, 3(12), 932–942. <https://doi.org/10.1038/nrn983>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Body Image</i>	Lowe-Calverly	Grieve
2024	<i>Journal of Adolescence</i>	Lowthian	Fee, Wakeham, Clegg, Crick, & Anthony
2015	<i>Clinical Psychological Science</i>	Lu, J. T.	Kishida, K. T., De Asis-Cruz, J., Lohrenz, T., Treadwell-Deering, D., Beauchamp, M., & Montague, P. R.
2022	<i>Journal of Happiness Studies</i>	Luijten	van de Bongardt, & Nieboer
2017	<i>JAMA Psychiatry</i>	Luijten, M.	Schellekens, A. F., Kühn, S., Machielse, M. W. J., & Sescousse, G.
2010	<i>Brain and Cognition</i>	Luna, B.	Padmanabhan, A. & O'Hearn, K.
2013	<i>Current Directions in Psychological Science</i>	Luna, B.	Paulsen, D. J., Padmanabhan, A., & Geier, C.
2020	<i>Journal of Research in Childhood Education</i>	Luo	Liang, Li

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Do the metrics matter? An experimental investigation of Instagraminfluencer effects on mood and body dissatisfaction
Identifying protective and risk behavior patterns of online communication in young people
Single-Stimulus Functional MRI Produces a Neural Individual Difference Measure for Autism Spectrum Disorder.
The Roles of Social Media Use and Friendship Quality in Adolescents' Internalizing Problems and Well-being
Disruption of Reward Processing in Addiction: An Image-Based Meta-analysis of Functional Magnetic Resonance Imaging Studies.
What has fMRI told us about the development of cognitive control through adolescence?
Cognitive Control and Motivation
The divergent roles of social media in adolescents' academic performance.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Lowe-Calverley, E., & Grieve, R. (2021). Do the metrics matter? An experimental investigation of Instagram influencer effects on mood and body dissatisfaction. <i>Body Image</i> , 36 , 1–4. https://doi.org/10.1016/j.bodyim.2020.10.003
Lowthian, E., Fee, G., Wakeham, C., Clegg, Z., Crick, T., & Anthony, R. (2024). Identifying protective and risk behavior patterns of online communication in young people. <i>Journal of adolescence</i> , 96 (2), 235–250. https://doi.org/10.1002/jad.12270
Lu, J. T., Kishida, K. T., De Asis-Cruz, J., Lohrenz, T., Treadwell-Deering, D., Beauchamp, M., & Montague, P. R. (2015). Single-Stimulus Functional MRI Produces a Neural Individual Difference Measure for Autism Spectrum Disorder. <i>Clinical Psychological Science</i> , 3(3), 422–432. https://doi.org/10.1177/2167702614562042
Luijten, C. C., van de Bongardt, D., & Nieboer, A. P. (2022). The Roles of Social Media Use and Friendship Quality in Adolescents’ Internalizing Problems and Well-being. <i>Journal of Happiness Studies</i> , 23 (7). https://doi.org/10.1007/s10902-022-00539-w
Luijten, M., Schellekens, A. F., Kühn, S., Machielse, M. W. J., & Sescousse, G. (2017). Disruption of Reward Processing in Addiction: An Image-Based Meta-analysis of Functional Magnetic Resonance Imaging Studies. <i>JAMA Psychiatry</i> , 74(4), 387–398. https://doi.org/10.1001/jamapsychiatry.2016.3084
Luna, B., Padmanabhan, A., & O’Hearn, K. (2010). What has fMRI told us about the development of cognitive control through adolescence? <i>Brain and Cognition</i> , 72(1), 101–113. https://doi.org/10.1016/j.bandc.2009.08.005
Luna, B., Paulsen, D. J., Padmanabhan, A., & Geier, C. (2013). Cognitive Control and Motivation. <i>Current Directions in Psychological Science</i> , 22(2), 94–100. https://doi.org/10.1177/0963721413478416
Luo, J., Liang, L., & Li, H. (2020). The Divergent Roles of Social Media in Adolescents’ Academic Performance. <i>Journal of Research in Childhood Education</i> , 34 (2), 167–182. https://doi.org/10.1080/02568543.2019.1703124

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>PLOS Biology</i>	Luo, Y.	Lohrenz, T., Lumpkin, E. A., Montague, P. R., & Kishida, K. T.
2020	<i>Media, Culture & Society.</i>	Lupinacci L.	N/A
2006	<i>PLoS medicine</i>	Lüscher, C.	Ungless, M. A.
2020	<i>Nat Rev Neurosci</i>	Lüscher, C.	Robbins, T.W. & Everitt, B.J.
2022	<i>Media Psychology</i>	Lutz	N/A
2020	<i>Media Psychology</i>	Lutz	Schneider
2007	<i>The Journal of Urology</i>	Macchia, R. J.	Termine, J. E. & Buchen, C. D.
2021	<i>Acta Psychologica</i>	MacDonald	Schermer

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The expectations humans have of a pleasurable sensation asymmetrically shape neuronal responses and subjective experiences to hot sauce.
‘Absentmindedly scrolling through nothing’: liveness and compulsory continuous connectedness in social media.
The mechanistic classification of addictive drugs
The transition to compulsion in addiction
Why Don’t You Answer Me?! Exploring the Effects of (Repeated Exposure to) Ostracism via Messengers on Users’ Fundamental Needs, Well-Being, and Coping Motivation
Is receiving Dislikes in social media still better than being ignored? The effects of ostracism and rejection on need threat and coping responses online
Raymond V. Damadian, M.D.: magnetic resonance imaging and the controversy of the 2003 Nobel Prize in Physiology or Medicine
Loneliness unlocked: Associations with smartphone use and personality

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Luo, Y., Lohrenz, T., Lumpkin, E. A., Montague, P. R., & Kishida, K. T. (2024). The expectations humans have of a pleasurable sensation asymmetrically shape neuronal responses and subjective experiences to hot sauce. <i>PLOS Biology</i> , 22(10), e3002818. https://doi.org/10.1371/journal.pbio.3002818
Lupinacci, L. (2020). “Absentmindedly scrolling through nothing”: liveness and compulsory continuous connectedness in social media. <i>Media, Culture & Society</i> , 43 (2), 273–290. https://doi.org/10.1177/0163443720939454
Lüscher, C., & Ungless, M. A. (2006). The mechanistic classification of addictive drugs. <i>PLoS medicine</i> , 3(11), e437. https://doi.org/10.1371/journal.pmed.0030437
Lüscher, C., Robbins, T.W. & Everitt, B.J. The transition to compulsion in addiction. <i>Nat Rev Neurosci</i> 21, 247–263 (2020). https://doi.org/10.1038/s41583-020-0289-z
Lutz, S. (2022). Why Don’t You Answer Me?! Exploring the Effects of (Repeated Exposure to) Ostracism via Messengers on Users’ Fundamental Needs, Well-Being, and Coping Motivation. <i>Media Psychology</i> , 26 (2), 113–140. https://doi.org/10.1080/15213269.2022.2101008
Lutz, S., & Schneider, F. M. (2020). Is receiving Dislikes in social media still better than being ignored? The effects of ostracism and rejection on need threat and coping responses online. <i>Media Psychology</i> , 24 (6), 741–765. https://doi.org/10.1080/15213269.2020.1799409
Macchia, R. J., Termine, J. E., & Buchen, C. D. (2007). Raymond V. Damadian, M.D.: magnetic resonance imaging and the controversy of the 2003 Nobel Prize in Physiology or Medicine. <i>The Journal of Urology</i> , 178(3 Pt 1), 783–785. https://doi.org/10.1016/j.juro.2007.05.019
MacDonald, K. B., & Schermer, J. A. (2021). Loneliness unlocked: Associations with smartphone use and personality. <i>Acta Psychologica</i> , 221, 103454. https://doi.org/10.1016/j.actpsy.2021.103454

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>JAMA Pediatr.</i>	Macnow, T.	Curran, T.; Tolliday, C.; Martin
2025	<i>Social Science & Medicine</i>	Mader	Costantini, Fahr, Jordan
2022	<i>Journal of Children and Media</i>	Maes	de Lenne
2022	<i>Body Image</i>	Maes	Vandenbosch
2023	<i>Journal of Children and Media</i>	Maftai	Diaconu-Gherasim
2022	<i>Journal of Affective Disorders</i>	Mahalingham	Howell, & Clarke
2023	<i>Journal of Behavior Therapy and Experimental Psychiatry</i>	Mahalingham, T.	Howell, J., & Clarke, P. J. F.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Effect of Screen Time on Recovery from Concussion
The effect of social media use on adolescents' subjective well-being: Longitudinal evidence from Switzerland
Filters and fillers: Belgian adolescents' filter use on social media and the acceptance of cosmetic surgery
Adolescent girls' Instagram and TikTok use: Examining relations with body image-related constructs over time using random intercept cross- lagged panel models
The road to addiction (might be) paved with good intentions: Motives for social media use and psychological distress among early adolescents.
Attention control moderates the relationship between social media use and psychological distress
Assessing the effects of acute reductions in mobile device social media use on anxiety and sleep

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Macnow, T., Curran, T., Tolliday, C., Martin, K., McCarthy, M., Ayturk, D., Babu, K. M., & Mannix, R. (2021). Effect of Screen Time on Recovery From Concussion: A Randomized Clinical Trial. <i>JAMA pediatrics</i> , 175 (11), 1124–1131. https://doi.org/10.1001/jamapediatrics.2021.2782
Mader, S., Costantini, D., Fahr, A., & Jordan, M. D. (2025). The effect of social media use on adolescents' subjective well-being: Longitudinal evidence from Switzerland. <i>Social science & medicine (1982)</i> , 365 , 117595. https://doi.org/10.1016/j.socscimed.2024.117595
Maes, C., & de Lenne, O. (2022). Filters and fillers: Belgian adolescents' filter use on social media and the acceptance of cosmetic surgery. <i>Journal of Children and Media</i> , 16 (4), 587–605. https://doi.org/10.1080/17482798.2022.2079696
Maes, C., & Vandenbosch, L. (2022). Adolescent girls' Instagram and TikTok use: Examining relations with body image-related constructs over time using random intercept cross-lagged panel models. <i>Body Image</i> , 41 , 453–459. https://doi.org/10.1016/j.bodyim.2022.04.015
Maftai, A., & Diaconu-Gherasim, L. R. (2023). The road to addiction (might be) paved with good intentions: Motives for social media use and psychological distress among early adolescents. <i>Journal of Children and Media</i> , 17 (4), 538–558. https://doi.org/10.1080/17482798.2023.2255304
Mahalingham, T., Howell, J., & Clarke, P. J. F. (2022). Attention control moderates the relationship between social media use and psychological distress. <i>Journal of Affective Disorders</i> , 297 , 536–541. https://doi.org/10.1016/j.jad.2021.10.071
Mahalingham, T., Howell, J., & Clarke, P. J. F. (2023). Assessing the effects of acute reductions in mobile device social media use on anxiety and sleep. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 78 , 101791. https://doi.org/10.1016/j.jbtep.2022.101791

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Computers in Human Behavior</i>	Mahalingham, T.	McEvoy, P. M., & Clarke, P. J. F.
2024	<i>Advance Online Publication</i>	Maheux, A. J.*	Burnell, K.*, Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J.
2024	<i>Child Development Perspectives</i>	Maheux, A. J.	†Garrett, S. L., †Fox, K. A., †Field, N. H., Burnell, K., Telzer, E. H., & Prinstein, M. J.
2024	<i>Developmental Psychology</i>	Maheux, A. J.	Burnell, K., & Choukas-Bradley, S.
2024	<i>Journal of Youth and Adolescence</i>	Maheux	Laurenceau, Roberts, Nesi, Widman, & Choukas-Bradley
(in press)	<i>Annals of the New York Academy</i>	Maheux, A. J.	Maes, C., Burnell, K., Bauer, D. J., Prinstein, M. J., & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Assessing the validity of self-report social media use: Evidence of No relationship with objective smartphone use.
Annual research review: Adolescent social media use is not a monolith: Towards the study of specific social media components and individual differences
Adolescent social gaming as a form of social media: A call for developmental science
Bidirectional associations between online and offline appearance concerns among early-to-middle adolescents
Longitudinal Change in Appearance-Related Social Media Consciousness and Depressive Symptoms: A Within-Person Analysis during Early-to-Middle Adolescence
Social media are many things: Addressing the components and patterns of adolescent social media use

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Mahalingham, T., McEvoy, P. M., & Clarke, P. J. F. (2023). Assessing the validity of self-report social media use: Evidence of No relationship with objective smartphone use. *Computers in Human Behavior*, 140, 107567-.

Maheux, A. J.*, Burnell, K.*, Maza, M. T., Fox, K. A., Telzer, E. H., & Prinstein, M. J. (2024). Annual research review: Adolescent social media use is not a monolith: Towards the study of specific social media components and individual differences. *Advance Online Publication*.

Maheux, A. J., †Garrett, S. L., †Fox, K. A., †Field, N. H., Burnell, K., Telzer, E. H., & Prinstein, M. J. (2024). Adolescent social gaming as a form of social media: A call for developmental science. *Child Development Perspectives*. *Advance Online Publication*.

Maheux, A. J., Burnell, K., & Choukas-Bradley, S. (2024). Bidirectional associations between online and offline appearance concerns among early-to-middle adolescents. *Developmental Psychology*, 60, 1885-1901.

Maheux, A. J., Laurenceau, J.-P., Roberts, S. R., Nesi, J., Widman, L., & Choukas-Bradley, S. (2024). Longitudinal Change in Appearance-Related Social Media Consciousness and Depressive Symptoms: A Within-Person Analysis during Early-to-Middle Adolescence. *Journal of Youth and Adolescence* .
<https://doi.org/10.1007/s10964-024-01998-5>

Maheux, A. J., Maes, C., Burnell, K., Bauer, D. J., Prinstein, M. J., & Telzer, E. H. (in press). Social media are many things: Addressing the components and patterns of adolescent social media use. *Annals of the New York Academy of Sciences* .

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Journal of Adolescence</i>	Maheux	Roberts, Nesi, Widman, Choukas-Bradley
(in press)	<i>Journal of Child Psychology and Psychiatry</i>	Maheux, A.J.	Burnell, K., Maza M.T†., Fox, K.A†., Telzer, E.H., & Prinstein, M.J.
(in press)	<i>Annals of the New York Academy of Sciences</i>	Maheux, A.J.	Maes, C., Burnell, K., Bauer, D.J., Prinstein, M.J., & Telzer, E.H.
2025	<i>Child Development Perspectives</i>	Maheux, A.J.	Garrett, S.L†., Fox, K.A†., Field, N.H†., Burnell, K., Telzer, E.H., & Prinstein, M.J.
2021	<i>Frontiers in Psychology</i>	Mahon	Hevey
2022	<i>Journal of Adolescence</i>	Maksniemi	Hietajarvi, Ketonen, Lonka, Puukko, Salmela-Aro
2015	<i>Sex Roles</i>	Manago	Ward, Lemm, Reed, Seabrook

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Longitudinal associations between appearance-related social media consciousness and adolescents' depressive symptoms
Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences
Social media are many things: addressing the components and patterns of adolescent social media use
Adolescent social gaming as a form of social media: A call for developmental science
Processing Body Image on Social Media: Gender Differences in Adolescent Boys' and Girls' Agency and Active Coping
Intraindividual associations between active social media use, exhaustion, and bedtime vary according to age—A longitudinal study across adolescence
Facebook Involvement, Objectified Body Consciousness, Body Shame, and Sexual Assertiveness in College Women and Men

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Maheux, A. J., Roberts, S. R., Nesi, J., Widman, L., & Choukas-Bradley, S. (2022). Longitudinal associations between appearance-related social media consciousness and adolescents' depressive symptoms. *Journal of Adolescence* , 94 (2), 264–269. <https://doi.org/10.1002/jad.12009>

Maheux, A.J., Burnell, K., Maza M.T†., Fox, K.A†., Telzer, E.H., & Prinstein, M.J. (in press). Annual Research Review: Adolescent social media use is not a monolith: toward the study of specific social media components and individual differences. *Journal of Child Psychology and Psychiatry*. <https://doi.org/10.1111/jcpp.14085>

Maheux, A.J., Maes, C., Burnell, K., Bauer, D.J., Prinstein, M.J., & Telzer, E.H. (in press). Social media are many things: addressing the components and patterns of adolescent social media use. *Annals of the New York Academy of Sciences*.

Maheux, A.J., Garrett, S.L†., Fox, K.A†., Field, N.H†., Burnell, K., Telzer, E.H., & Prinstein, M.J. (2025). Adolescent social gaming as a form of social media: A call for developmental science. *Child Development Perspectives*, 19, 3-13. <http://dx.doi.org/10.1111/cdep.12518>

Mahon, C., & Hevey, D. (2021). Processing Body Image on Social Media: Gender Differences in Adolescent Boys' and Girls' Agency and Active Coping. *Frontiers in Psychology* , 12 . <https://doi.org/10.3389/fpsyg.2021.626763>

Maksniemi, E., Hietajärvi, L., Ketonen, E. E., Lonka, K., Puukko, K., & Salmela-Aro, K. (2022). Intraindividual associations between active social media use, exhaustion, and bedtime vary according to age—A longitudinal study across adolescence. *Journal of Adolescence* , 94 (3), 401–414. <https://doi.org/10.1002/jad.12033>

Manago, A. M., Ward, L. M., Lemm, K. M., Reed, L., & Seabrook, R. (2015). Facebook Involvement, Objectified Body Consciousness, Body Shame, and Sexual Assertiveness in College Women and Men. *Sex Roles* , 72 (1-2), 1–14. <https://doi.org/10.1007/s11199-014-0441-1>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2002	<i>Journal of Neurobiology</i>	Mansvelder, H. D.	McGehee, D. S.
2020	<i>Psychology of Popular Media</i>	Manuoğlu	Uysal
2023	<i>European Journal of Health Communication</i>	Marciano	Albanese, Viswanath, & Camerini
2022	<i>Computers in Human Behavior</i>	Marciano	Schulz, Camerini
2018	<i>Computers in Human Behavior</i>	Marengo	Longobardi, Fabris, Settani
2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Marengo	Quilghini, Ricci, & Settanni
2018	<i>Educational Psychology Review</i>	Marker	Gnambs, Appel

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Cellular and synaptic mechanisms of nicotine addiction.
Motivation for Different Facebook Activities and Well-Being: A Daily Experience Sampling Study
The Protective Role of Social Oriented Digital Media Use in Children's and Adolescents' Life Satisfaction During the Covid-19 Pandemic
How do depression, duration of internet use and social connection in adolescence influence each other over time? An extension of the RI-CLPM including contextual factors
Highly-visual social media and internalizing symptoms in adolescence: The mediating role of body image concerns
Instagram Stories Unveiled: Exploring Links with Psychological Distress, Personality, and Gender
Active on Facebook and Failing at School? Meta-Analytic Findings on the Relationship Between Online Social Networking Activities and Academic Achievement

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Mansvelder, H. D., & McGehee, D. S. (2002). Cellular and synaptic mechanisms of nicotine addiction. <i>Journal of Neurobiology</i> , 53(4), 606–617. https://doi.org/10.1002/neu.10148
Manuoğlu, E., & Uysal, A. (2020). Motivation for different Facebook activities and well-being: A daily experience sampling study. <i>Psychology of Popular Media</i> , 9(4), 456–464. https://doi.org/10.1037/ppm0000262
Marciano, L., Albanese, E., Viswanath, K., & Camerini, A.-L. (2023). The Protective Role of Social-Oriented Digital Media Use in Children’s and Adolescents’ Life Satisfaction During the Covid-19 Pandemic. <i>European Journal of Health Communication</i> , 4 (1), 1–27. https://doi.org/10.47368/ejhc.2023.101
Marciano, L., Schulz, P. J., & Camerini, A.-L. (2022). How do depression, duration of internet use and social connection in adolescence influence each other over time? An extension of the RI-CLPM including contextual factors. <i>Computers in Human Behavior</i> , 136 , 107390. https://doi.org/10.1016/j.chb.2022.107390
Marengo, D., Longobardi, C., Fabris, M. A., & Settanni, M. (2018). Highly-visual social media and internalizing symptoms in adolescence: The mediating role of body image concerns. <i>Computers in Human Behavior</i> , 82 (82), 63–69. https://doi.org/10.1016/j.chb.2018.01.003
Marengo, D., Quilghini, F., Ricci, G., & Settanni, M. (2024). Instagram Stories Unveiled: Exploring Links with Psychological Distress, Personality, and Gender. <i>Cyberpsychology, Behavior, and Social Networking</i> . https://doi.org/10.1089/cyber.2023.0316
Marker, C., Gnambs, T. & Appel, M. (2018). Active on Facebook and Failing at School? Meta-Analytic Findings on the Relationship Between Online Social Networking Activities and Academic Achievement. <i>Educational Psychology Review</i> , 30, 651–677 https://doi.org/10.1007/s10648-017-9430-6

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Body Image</i>	Markey	Daniels
2024	<i>Journal of Media Psychology</i>	Markey	August, Gillen, & Rosenbaum
2010	<i>Journal of Youth and Adolescence</i>	Markey, C. N.	N/A
2023	<i>Body Image</i>	Martin	Portingale, Fuller-Tyzkiewicz, Krug
2024	<i>Bulletin of Technology and Public Life</i>	Marwick, A.	Smith, J., Caplan, R., & Wadhawan. M.
2021	<i>Journal of Attention Disorders</i>	Marx, I.	Hacker, T., Yu, X., Cortese, S., & Sonuga-Barke, E.
2022	<i>Journal of Clinical Child & Adolescent Psychology</i>	Massing-Schaffer, M.	Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
An examination of preadolescent girls' social media use and body image: Type of engagement may matter most
An Examination of Youths' Social Media Use and Body Image: Considering TikTok, Snapchat, and Instagram
Invited commentary: Why body image is important to adolescent development
Do appearance comparisons mediate the effects of thinspiration and fitspiration on body dissatisfaction, happiness, and disordered eating urges in women's daily lives?
"Child Online Safety Legislation: A Primer."
ADHD and the Choice of Small Immediate Over Larger Delayed Rewards: A Comparative Meta-Analysis of Performance on Simple Choice-Delay and Temporal Discounting Paradigms
Adolescent peer experiences and prospective suicidal ideation: The protective role of online only friendships

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Markey, C. H., & Daniels, E. A. (2022). An examination of preadolescent girls' social media use and body image: Type of engagement may matter most. *Body Image* , 42 , 145–149. <https://doi.org/10.1016/j.bodyim.2022.05.005>

Markey, C. H., August, K. J., Gillen, M. M., & Rosenbaum, D. L. (2024). An Examination of Youths' Social Media Use and Body Image. *Journal of Media Psychology* , 37 (1). <https://doi.org/10.1027/1864-1105/a000420>

Markey, C. N. (2010). Invited commentary: Why body image is important to adolescent development. *Journal of Youth and Adolescence* , 39(12), 1387–1391. <https://doi.org/10.1007/s10964-010-9510-0>

Martin, G., Portingale, J., Fuller-Tyszkiewicz, M., & Krug, I. (2023). Do appearance comparisons mediate the effects of thinspiration and fitspiration on body dissatisfaction, happiness, and disordered eating urges in women's daily lives? *Body Image* , 46 , 108–116. <https://doi.org/10.1016/j.bodyim.2023.05.006>

Marwick, A., Smith, J., Caplan, R., & Wadhawan, M. (2024). "Child Online Safety Legislation: A Primer." Bulletin of Technology and Public Life. University of North Carolina at Chapel Hill. [10.21428/bfcb0bff.de78f444](https://doi.org/10.21428/bfcb0bff.de78f444).

Marx, I., Hacker, T., Yu, X., Cortese, S., & Sonuga-Barke, E. (2021). ADHD and the Choice of Small Immediate Over Larger Delayed Rewards: A Comparative Meta-Analysis of Performance on Simple Choice-Delay and Temporal Discounting Paradigms. *Journal of Attention Disorders* , 25(2), 171–187. <https://doi.org/10.1177/1087054718772138>

Massing-Schaffer, M., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (2022). Adolescent peer experiences and prospective suicidal ideation: The protective role of online only friendships. *Journal of Clinical Child & Adolescent Psychology*, 51, 49-60. <https://doi.org/10.1080/15374416.2020.1750019>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2009	<i>Social Cognitive and Affective Neuroscience</i>	Masten, C. L.	Eisenberger, N. I., Borofsky, L. A., Pfeifer, J. H., McNealy, K., Mazziotta, J. C., & Dapretto, M.
2010	<i>Social Neuroscience</i>	Masten, C. L.	Eisenberger, N. I., Pfeifer, J. H., & Dapretto, M.
2011	<i>Journal of Cognitive Neuroscience</i>	Masten, C.L.	Telzer, E.H. & Eisenberger, N.I.
2012	<i>Social, Cognitive, Affective Neuroscience</i>	Masten, C.L.	Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Eisenberger, N.I.
2009	<i>Journal of Neuroscience</i>	Matsuda, W.	Furuta, T., Nakamura, K. C., Hioki, H., Fujiyama, F., Arai, R., & Kaneko, T.
2012	<i>Psychology & Neuroscience</i>	Matta, A. da,	Gonçalves, F. L. & Bizarro, L.
2023	<i>JAMA Pediatrics</i>	Maza, M. T.	Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural correlates of social exclusion during adolescence: understanding the distress of peer rejection
Witnessing peer rejection during early adolescence: neural correlates of empathy for experiences of social exclusion
An fMRI investigation of attributing negative social treatment to racial discrimination
Time spent with friends in adolescence relates to less neural sensitivity to later peer rejection
Single Nigrostriatal Dopaminergic Neurons Form Widely Spread and Highly Dense Axonal Arborizations in the Neostriatum.
Delay discounting: Concepts and measures
Association of habitual checking behaviors on social media with longitudinal functional brain development.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Masten, C. L., Eisenberger, N. I., Borofsky, L. A., Pfeifer, J. H., McNealy, K., Mazziotta, J. C., & Dapretto, M. (2009). Neural correlates of social exclusion during adolescence: understanding the distress of peer rejection. <i>Social Cognitive and Affective Neuroscience</i> , 4(2), 143–157. https://doi.org/10.1093/scan/nsp007
Masten, C. L., Eisenberger, N. I., Pfeifer, J. H., & Dapretto, M. (2010). Witnessing peer rejection during early adolescence: neural correlates of empathy for experiences of social exclusion. <i>Social Neuroscience</i> , 5(5–6), 496–507. https://doi.org/10.1080/17470919.2010.490673
Masten, C.L., Telzer, E.H., & Eisenberger, N.I. (2011). An fMRI investigation of attributing negative social treatment to racial discrimination. <i>Journal of Cognitive Neuroscience</i> , 23, 1042-1051. https://doi.org/10.1162/jocn.2010.21520
Masten, C.L., Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Eisenberger, N.I. (2012). Time spent with friends in adolescence relates to less neural sensitivity to later peer rejection. <i>Social, Cognitive, Affective Neuroscience</i> , 7, 106-114. https://doi.org/10.1093/scan/nsq098
Matsuda, W., Furuta, T., Nakamura, K. C., Hioki, H., Fujiyama, F., Arai, R., & Kaneko, T. (2009). Single Nigrostriatal Dopaminergic Neurons Form Widely Spread and Highly Dense Axonal Arborizations in the Neostriatum. <i>Journal of Neuroscience</i> , 29(2), 444–453. https://doi.org/10.1523/JNEUROSCI.4029-08.2009
Matta, A. da, Gonçalves, F. L., & Bizarro, L. (2012). Delay discounting: Concepts and measures. <i>Psychology & Neuroscience</i> , 5(2), 135–146. https://doi.org/10.3922/j.psns.2012.2.03
Maza, M. T., Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of habitual checking behaviors on social media with longitudinal functional brain development. <i>JAMA Pediatrics</i> , 177(2), 160-167.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>JAMA pediatrics</i>	Maza, M.T.	Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.
2023	<i>JAMA Pediatrics</i>	Maza, M. T.	Fox, K. A., Kwon, S.-J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H.
2023	<i>JAMA Pediatrics</i>	Maza, M.T†.	Fox, K.A†., Kwon, S†., Flannery, J.E†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H.
2023	<i>Translational Issues in Psychological Science</i>	Maza, M.T†.	Hulka, A., Telzer, E.H.
2024	<i>Developmental Cognitive Neuroscience</i>	Maza, M.T†.	Kwon, S†., Jorgensen, N.A†., Capella, J†., Lindquist, K., Prinstein, M.J., & Telzer, E.H.
2021	<i>Research on Child and Adolescent Psychopathology</i>	McAllister	Hisler, Blake, Twenge, Hamilton
2020	<i>Frontiers for Young Minds.</i>	Mcbride, M.	Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Association of Habitual Checking Behaviors on Social Media With Longitudinal Functional Brain Development.
Association of habitual checking behaviors on social media with longitudinal functional brain development
Habitual checking behaviors on social media relate to longitudinal functional brain development
The broken pipeline: Challenges in disseminating research on adolescent digital media use
Neurobiological sensitivity to popular peers moderates daily links between social media use and daily affect
Associations Between Adolescent Depression and Self-Harm Behaviors and Screen Media Use in a Nationally Representative Time-Diary Study
Why Are Some Kids More Sensitive to Their Environments?

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Maza, M. T., Fox, K. A., Kwon, S. J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of Habitual Checking Behaviors on Social Media With Longitudinal Functional Brain Development. <i>JAMA pediatrics</i> , 177 (2), 160–167. https://doi.org/10.1001/jamapediatrics.2022.4924</p>
<p>Maza, M. T., Fox, K. A., Kwon, S.-J., Flannery, J. E., Lindquist, K. A., Prinstein, M. J., & Telzer, E. H. (2023). Association of habitual checking behaviors on social media with longitudinal functional brain development. <i>JAMA Pediatrics</i> , 177(2), 160–167. https://doi.org/10.1001/jamapediatrics.2022.4924</p>
<p>Maza, M.T†., Fox, K.A†., Kwon, S†., Flannery, J.E†., Lindquist, K.A., Prinstein, M.J., & Telzer, E.H. (2023). Habitual checking behaviors on social media relate to longitudinal functional brain development. <i>JAMA Pediatrics</i>, 177, 160-167. https://doi.org/10.1001/jamapediatrics.2022.4924</p>
<p>Maza, M.T†., Hulka, A., Telzer, E.H. (2023). The broken pipeline: Challenges in disseminating research on adolescent digital media use. <i>Translational Issues in Psychological Science</i>, 9, 238-246. https://doi.org/10.1037/tps0000369</p>
<p>Maza, M.T†., Kwon, S†., Jorgensen, N.A†., Capella, J†., Lindquist, K., Prinstein, M.J., & Telzer, E.H. (2024). Neurobiological sensitivity to popular peers moderates daily links between social media use and daily affect. <i>Developmental Cognitive Neuroscience</i>, 64, 101335. https://doi.org/10.1016/j.dcn.2023.101335 [preregistration]</p>
<p>McAllister, C., Hisler, G. C., Blake, A. B., Twenge, J. M., Farley, E., & Hamilton, J. L. (2021). Associations Between Adolescent Depression and Self-Harm Behaviors and Screen Media Use in a Nationally Representative Time-Diary Study. <i>Research on Child and Adolescent Psychopathology</i> , 49 . https://doi.org/10.1007/s10802-021-00832-x</p>
<p>Mcbride, M., & Telzer, E. H. (2020, September 8). Why Are Some Kids More Sensitive to Their Environments? <i>Frontiers for Young Minds</i> .</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Frontiers for Young Minds</i>	McBride, M†.	Telzer, E.H.
2024	<i>Journal of Child and Family Studies</i>	McClellan, L.M.	Fry, C.M., Telzer, E.H., & Rogers, C.R.
2023	<i>Media Psychology</i>	McComb	C. A., Vanman, E. J., Tobin, S.
2021	<i>Body Image</i>	McComb	Mills
2022	<i>Body Image</i>	McComb	Mills
2021	<i>Body Image</i>	McComb	Gobin, Mills
2021	<i>Neuroimage</i>	McCormick, E. M.	Peters, S., Crone, E. A., & Telzer, E. H.
2017	<i>Frontiers in Human Neuroscience</i>	McCormick, E. M.	Qu, Y. & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Why are some kids more sensitive to their environments?
Exploring family obligation as a buffer between parental differential treatment and sibling hostility
A Meta-Analysis of the Effects of Social Media Exposure to Upward Comparison
Young women's body image following upwards comparison to Instagram models: The role of physical appearance perfectionism and cognitive emotion regulation
The effect of physical appearance perfectionism and social comparison to thin-, slim-thick-, and fit-ideal Instagram imagery on young women's body image
The effects of self-disclaimer Instagram captions on young women's mood and body image: The moderating effect of participants' own photo manipulation practices
Longitudinal network re-organization across learning and development
Activation in Context: Differential Conclusions Drawn from Cross-Sectional and Longitudinal Analyses of Adolescents' Cognitive Control-Related Neural Activity

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>McBride, M†., & Telzer, E.H. (2020). Why are some kids more sensitive to their environments? <i>Frontiers for Young Minds</i> , 8, 1-7. https://doi:10.3389/frym.2020.00113</p>
<p>McClellan, L.M., Fry, C.M., Telzer, E.H., & Rogers, C.R. (2024). Exploring family obligation as a buffer between parental differential treatment and sibling hostility. <i>Journal of Child and Family Studies</i>, 33, 2746–2757. https://doi.org/10.1007/s10826-024-02814-1</p>
<p>McComb, C. A., Vanman, E. J., & Tobin, S. J. (2023). A Meta-Analysis of the Effects of Social Media Exposure to Upward Comparison Targets on Self-Evaluations and Emotions. <i>Media Psychology</i> , 26 (5), 612–635. https://doi.org/10.1080/15213269.2023.2180647</p>
<p>McComb, S. E., & Mills, J. S. (2021). Young women’s body image following upwards comparison to Instagram models: The role of physical appearance perfectionism and cognitive emotion regulation. <i>Body Image</i> , 38 (38), 49–62. https://doi.org/10.1016/j.bodyim.2021.03.012</p>
<p>McComb, S. E., & Mills, J. S. (2022). The Effect of Physical Appearance Perfectionism and Social Comparison to thin-, slim-thick-, and fit-ideal Instagram Imagery on Young Women’s Body Image. <i>Body Image</i> , 40 (40), 165–175. https://doi.org/10.1016/j.bodyim.2021.12.003</p>
<p>McComb, S. E., Gobin, K. C., & Mills, J. S. (2021). The effects of self-disclaimer Instagram captions on young women’s mood and body image: The moderating effect of participants’ own photo manipulation practices. <i>Body Image</i> , 38 , 251–261. https://doi.org/10.1016/j.bodyim.2021.04.011</p>
<p>McCormick, E. M., Peters, S., Crone, E. A., & Telzer, E. H. (2021). Longitudinal network re-organization across learning and development. <i>Neuroimage</i> , 229, 117784. https://doi.org/10.1016/j.neuroimage.2021.117784</p>
<p>McCormick, E. M., Qu, Y., & Telzer, E. H. (2017). Activation in Context: Differential Conclusions Drawn from Cross-Sectional and Longitudinal Analyses of Adolescents’ Cognitive Control-Related Neural Activity. <i>Frontiers in Human Neuroscience</i> , 11, 141. https://doi.org/10.3389/fnhum.2017.00141</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Journal of Cognitive Neuroscience</i>	McCormick, E.M†.	Telzer, E.H.
2017	<i>NeuroImage</i>	McCormick, E.M†.	Telzer, E.H.
2018	<i>Journal of Cognitive Neuroscience</i>	McCormick, E.M†.	Telzer, E.H.
2018	<i>Scientific Reports</i>	McCormick, E.M†.	Telzer, E.H.
2019	<i>Neuroimage</i>	McCormick, E.M†.	Gates, K. & Telzer, E.H.
2019	<i>International Journal of Developmental Neuroscience</i>	McCormick, E.M†.	McElwain, N.L. & Telzer, E.H.
2018	<i>Developmental Cognitive Neuroscience</i>	McCormick, E.M†.	Perino, M.T†. & Telzer, E.H.
2021	<i>Neuroimage</i>	McCormick, E.M†.	Peters, S. Crone, E.A., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adaptive adolescent flexibility: Neurodevelopment of decision-making and learning in a risky context
Failure to retreat: Blunted sensitivity to negative feedback supports risky behavior in adolescents
Not doomed to repeat: Enhanced medial prefrontal cortex tracking of errors promotes adaptive behavior during adolescence
Contributions of default mode network stability and deactivation to adolescent task engagement
Model-based network discovery of developmental and performance-related differences during risky decision-making
Alterations in adolescent dopaminergic systems as a function of early mother-toddler attachment: a prospective longitudinal examination
Not just social sensitivity: Adolescent neural suppression of social feedback during risk taking
Longitudinal network re-organization across learning and development

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
McCormick, E.M†. & Telzer, E.H. (2017). Adaptive adolescent flexibility: Neurodevelopment of decision-making and learning in a risky context. <i>Journal of Cognitive Neuroscience</i> , 29, 413-423. https://doi.org/10.1162/jocn_a_01061
McCormick, E.M†. & Telzer, E.H. (2017). Failure to retreat: Blunted sensitivity to negative feedback supports risky behavior in adolescents. <i>NeuroImage</i> , 147, 381-389. https://doi.org/10.1016/j.neuroimage.2016.12.041
McCormick, E.M†. & Telzer, E.H. (2018). Not doomed to repeat: Enhanced medial prefrontal cortex tracking of errors promotes adaptive behavior during adolescence. <i>Journal of Cognitive Neuroscience</i> , 30, 281-289. https://doi.org/10.1162/jocn_a_01206
McCormick, E.M†., & Telzer, E.H. (2018). Contributions of default mode network stability and deactivation to adolescent task engagement. <i>Scientific Reports</i> , 8, 18049. https://doi.org/10.1038/s41598-018-36269-4
McCormick, E.M†., Gates, K., & Telzer, E.H. (2019). Model-based network discovery of developmental and performance-related differences during risky decision-making. <i>Neuroimage</i> , 188, 456-464. https://doi.org/10.1016/j.neuroimage.2018.12.042
McCormick, E.M†., McElwain, N.L., & Telzer, E.H. (2019). Alterations in adolescent dopaminergic systems as a function of early mother-toddler attachment: a prospective longitudinal examination. <i>International Journal of Developmental Neuroscience</i> , 78, 122-129. https://doi.org/10.1016/j.ijdevneu.2019.06.010
McCormick, E.M†., Perino, M.T†., & Telzer, E.H. (2018). Not just social sensitivity: Adolescent neural suppression of social feedback during risk taking. <i>Developmental Cognitive Neuroscience</i> , 30, 134-141. https://doi.org/10.1016/j.dcn.2018.01.012
McCormick, E.M†., Peters, S. Crone, E.A., & Telzer, E.H. (2021). Longitudinal network re-organization across learning and development. <i>Neuroimage</i> , 229, 117784. https://doi.org/10.1016/j.neuroimage.2021.117784

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>NeuroImage</i>	McCormick, E.M†.	Qu, Y†. & Telzer, E.H.
2017	<i>Frontiers in Human Neuroscience</i>	McCormick, E.M†.	Qu, Y†. & Telzer, E.H.
2018	<i>Social Cognitive and Affective Neuroscience</i>	McCormick, E.M†.	van Hoorn, J†., Cohen, J.R., & Telzer, E.H.
2020	<i>Neuroimage</i>	McIlvain, G.	Clements, R.G., Magoon, E.M., Speilberg, J.M., Telzer, E.H., & Johnson, C.L.
2018	<i>Developmental Cognitive Neuroscience</i>	McIlvain, G.	Schwarb, A., Cohen N.J., Telzer, E.H., & Johnson, C.L.
2015	<i>The International journal of eating disorders</i>	McLean, S.A.	Paxton, S. J., Wertheim, E. H., & Masters, J.
2022	<i>European Child & Adolescent Psychiatry</i>	McLean, S. A.	Rodgers, R. F., Slater, A., Jarman, H. K., Gordon, C. S., & Paxton, S. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescent neurodevelopment of cognitive control and risk-taking in negative family contexts
Activation in context: Differential conclusions drawn from cross-sectional and longitudinal analyses of adolescents' cognitive control-related neural activity
Functional connectivity in the social brain across childhood and adolescence
Viscoelasticity of reward and control systems in adolescent risk taking
Mechanical properties of the in vivo adolescent human brain
Photoshopping the selfie: Self photo editing and photo investment are associated with body dissatisfaction in adolescent girls.
Clinically significant body dissatisfaction: prevalence and association with depressive symptoms in adolescent boys and girls

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
McCormick, E.M†., Qu, Y†., & Telzer, E.H. (2016). Adolescent neurodevelopment of cognitive control and risk-taking in negative family contexts. <i>NeuroImage</i> , 124, 989-996. https://doi.org/10.1016/j.neuroimage.2015.09.063
McCormick, E.M†., Qu, Y†., & Telzer, E.H. (2017). Activation in context: Differential conclusions drawn from cross-sectional and longitudinal analyses of adolescents' cognitive control-related neural activity. <i>Frontiers in Human Neuroscience</i> , 11, 1-11. https://doi.org/10.3389/fnhum.2017.00141
McCormick, E.M†., van Hoorn, J†., Cohen, J.R., & Telzer, E.H. (2018). Functional connectivity in the social brain across childhood and adolescence. <i>Social Cognitive and Affective Neuroscience</i> , 13, 819-830. https://doi.org/10.1093/scan/nsy064
McIlvain, G., Clements, R.G., Magoon, E.M., Speilberg, J.M., Telzer, E.H., & Johnson, C.L. (2020). Viscoelasticity of reward and control systems in adolescent risk taking. <i>Neuroimage</i> , 215, 116850. https://doi.org/10.1016/j.neuroimage.2020.116850
McIlvain, G., Schwarb, A., Cohen N.J., Telzer, E.H., & Johnson, C.L. (2018). Mechanical properties of the in vivo adolescent human brain. <i>Developmental Cognitive Neuroscience</i> , 34, 27-33. https://doi.org/10.1016/j.dcn.2018.06.001
McLean, S. A., Paxton, S. J., Wertheim, E. H., & Masters, J. (2015). Photoshopping the selfie: Self photo editing and photo investment are associated with body dissatisfaction in adolescent girls. <i>The International journal of eating disorders</i> , 48 (8), 1132–1140. https://doi.org/10.1002/eat.22449
McLean, S. A., Rodgers, R. F., Slater, A., Jarman, H. K., Gordon, C. S., & Paxton, S. J. (2022). Clinically significant body dissatisfaction: prevalence and association with depressive symptoms in adolescent boys and girls. <i>European Child & Adolescent Psychiatry</i> , 31(12), 1921–1932. https://doi.org/10.1007/s00787-021-01824-4

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Nature and Science of Sleep</i>	Medic, G.	Wille, M. & Hemels, M. E.
2020	<i>Communication Research</i>	Meier, A.	et. al.
2018	<i>Journal of youth and adolescence</i>	Meier, A.	Hartmann, B. S., & Larson, R.
2021	N/A	Melattinkara, S.	N/A
2018	<i>Indian journal of psych</i>	Memon AM.	Sharma SG, Mohite SS, Jain S.
2013	<i>Journal of Caffeine Research</i>	Meredith, S. E.	Juliano, L. M., Hughes, J. R., & Griffiths, R. R.
2017	<i>Clinical Neuropsychiatry: Journal of Treatment Evaluation</i>	Mérelle, S. Y. M.	Kleiboer, A. M., Schotanus, M., Cluitmans, T. L. M., Waardenburg, C. M., Kramer, D., van de Mheen, D., & van Rooij, A. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Short- and long-term health consequences of sleep disruption
Communication Research
A quarter century of participation in school-based extracurricular activities: Inequalities by race, class, gender and age?
Smart Devices in Classrooms and Academic Performance: A Causal-Comparative Study of Academic Performance at Los Angeles Area High Schools [Doctoral dissertation]
The role of online social networking on deliberate self-harm and suicidality in adolescents: A systematized review of literature.
Caffeine Use Disorder: A Comprehensive Review and Research Agenda.
Which health-related problems are associated with problematic video-gaming or social media use in adolescents? A large-scale cross-sectional study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Medic, G., Wille, M., & Hemels, M. E. (2017). Short- and long-term health consequences of sleep disruption. <i>Nature and Science of Sleep</i> , 9, 151–161. https://doi.org/10.2147/NSS.S134864
Meier, A. et. al. (2020). Computer-Mediated Communication, Social Media, and Mental Health: A Conceptual and Empirical Meta-Review. <i>Communication Research</i> , 48 (8), 1182-1209. https://doi.org/10.1177/0093650220958224 .
Meier, A., Hartmann, B. S., & Larson, R. (2018). A quarter century of participation in school-based extracurricular activities: Inequalities by race, class, gender and age?. <i>Journal of youth and adolescence</i> , 47, 1299-1316.
Melattinkara, S. (2021). Smart Devices in Classrooms and Academic Performance: A Causal-Comparative Study of Academic Performance at Los Angeles Area High Schools [Doctoral dissertation]. Northcentral University.
Memon, A. M., Sharma, S. G., Mohite, S. S., & Jain, S. (2018). The role of online social networking on deliberate self-harm and suicidality in adolescents: A systematized review of literature. <i>Indian journal of psychiatry</i> , 60 (4), 384–392. https://doi.org/10.4103/psychiatry.IndianJPsychiatry_414_17
Meredith, S. E., Juliano, L. M., Hughes, J. R., & Griffiths, R. R. (2013). Caffeine Use Disorder: A Comprehensive Review and Research Agenda. <i>Journal of Caffeine Research</i> , 3(3), 114–130. https://doi.org/10.1089/jcr.2013.0016
Mérelle, S. Y. M., Kleiboer, A. M., Schotanus, M., Cluitmans, T. L. M., Waardenburg, C. M., Kramer, D., van de Mheen, D., & van Rooij, A. J. (2017). Which health-related problems are associated with problematic video-gaming or social media use in adolescents? A large-scale cross-sectional study. <i>Clinical Neuropsychiatry: Journal of Treatment Evaluation</i> , 14(1), 11–19.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013	<i>Frontiers in Human Neuroscience</i>	Meshi, D.	Morawetz, C. & Heekeren, H. R.
2022	<i>Psychology of Popular Media</i>	Midgley	Lockwood, Thai
2024	<i>Journal of experimental psychology. General</i>	Mikami, A. Y.	Khalis, A., & Karasavva, V.
2019	<i>Journal of Research on Adolescence</i>	Mikami	Szwedo, Khalis, Jia, Na
2022	<i>Journal of Media Psychology</i>	Miljeteig	von Soest
2023	<i>Cortex</i>	Miller, J.	N/A
2021	<i>Biological Psychiatry Global Open Science</i>	Miller, J. G.	Ho, T. C., Kirshenbaum, J. S., Chahal, R., Gifuni, A. J., & Gotlib, I. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Nucleus accumbens response to gains in reputation for the self relative to gains for others predicts social media use
Can the Social Network Bridge Social Distancing? Social Media Use During the COVID-19 Pandemic
Logging out or leaning in? Social media strategies for enhancing well-being
Online Social Interactions Predict Academic and Emotional Adjustment in the Transition to University
An Experience Sampling Study on the Association Between Social Media Use and Self-Esteem
Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study
Testing a developmental model of positive parenting, amygdala–subgenual anterior cingulate cortex connectivity, and depressive symptoms in adolescents before and during the COVID-19 pandemic

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Meshi, D., Morawetz, C., & Heekeren, H. R. (2013). Nucleus accumbens response to gains in reputation for the self relative to gains for others predicts social media use. *Frontiers in Human Neuroscience* , 7, 439. <https://doi.org/10.3389/fnhum.2013.00439>

Midgley, C., Lockwood, P., & Thai, S. (2022). Can the social network bridge social distancing? Social media use during the COVID-19 pandemic. *Psychology of Popular Media* , 13 (1). <https://doi.org/10.1037/ppm0000437>

Mikami, A. Y., Khalis, A., & Karasavva, V. (2024). Logging out or leaning in? Social media strategies for enhancing well-being. *Journal of experimental psychology. General* , 10.1037/xge0001668. Advance online publication. <https://doi.org/10.1037/xge0001668>

Mikami, A. Y., Szewedo, D. E., Khalis, A., Jia, M., & Na, J. J. (2019). Online Social Interactions Predict Academic and Emotional Adjustment in the Transition to University. *Journal of Research on Adolescence* , 29 (1), 210–224. <https://doi.org/10.1111/jora.12377>

Miljeteig, K., & von Soest, T. (2022). An Experience Sampling Study on the Association Between Social Media Use and Self-Esteem. *Journal of Media Psychology* , 34 (6). <https://doi.org/10.1027/1864-1105/a000333>

Miller, J. (2023). Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study, *Cortex* 169: 290-308, <https://doi.org/10.1016/j.cortex.2023.09.009>

Miller, J. G., Ho, T. C., Kirshenbaum, J. S., Chahal, R., Gifuni, A. J., & Gotlib, I. H. (2021). Testing a developmental model of positive parenting, amygdala–subgenual anterior cingulate cortex connectivity, and depressive symptoms in adolescents before and during the COVID-19 pandemic. *Biological Psychiatry Global Open Science*, 1(4), 291-299

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Cortex; a journal devoted to the study of the nervous system and behavior</i>	Miller, J.	Mills, K. L., Vuorre, M., Orben, A., & Przybylski, A. K.
1987	<i>Journal of Substance Abuse Treatment</i>	Miller, N. S.	Dackis, C. A. & Gold, M. S.
2018	<i>Body Image</i>	Mills, J. S.	Musto, S., Williams, L., & Tiggemann, M.
2016	<i>Neuroimage</i>	Mills, K. L.	Goddings, A.-L., Herting, M. M., Meuwese, R., Blakemore, S.-J., Crone, E. A., Dahl, R. E., Güroğlu, B., Raznahan, A., Sowell, E. R., & Tamnes, C. K.
2014	<i>Social cognitive and affective neuroscience</i>	Mills, K. L.	Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S. J.
2014	<i>Social Cognitive and Affective Neuroscience</i>	Mills, K.	Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S.-J.
2022	<i>New Media & Society</i>	Milosevic	Bhroin, Olafsson, Staksrug, & Wachs

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study
The relationship of addiction, tolerance, and dependence to alcohol and drugs: a neurochemical approach
“Selfie” harm: Effects on mood and body image in young women
Structural brain development between childhood and adulthood: Convergence across four longitudinal samples
Developmental changes in the structure of the social brain in late childhood and adolescence
Developmental changes in the structure of the social brain in late childhood and adolescence
Time spent online and children’s self-reported life satisfaction in Norway: The socio-ecological perspective

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Miller, J., Mills, K. L., Vuorre, M., Orben, A., & Przybylski, A. K. (2023). Impact of digital screen media activity on functional brain organization in late childhood: Evidence from the ABCD study. *Cortex; a journal devoted to the study of the nervous system and behavior*, 169, 290–308.
<https://doi.org/10.1016/j.cortex.2023.09.009>

Miller, N. S., Dackis, C. A., & Gold, M. S. (1987). The relationship of addiction, tolerance, and dependence to alcohol and drugs: a neurochemical approach. *Journal of Substance Abuse Treatment*, 4(3–4), 197–207. [https://doi.org/10.1016/s0740-5472\(87\)80014-4](https://doi.org/10.1016/s0740-5472(87)80014-4)

Mills, J. S., Musto, S., Williams, L., & Tiggemann, M. (2018). “Selfie” harm: Effects on mood and body image in young women. *Body Image*, 27, 86–92.
<https://doi.org/10.1016/j.bodyim.2018.08.007>

Mills, K. L., Goddings, A.-L., Herting, M. M., Meuwese, R., Blakemore, S.-J., Crone, E. A., Dahl, R. E., Güroğlu, B., Raznahan, A., Sowell, E. R., & Tamnes, C. K. (2016). Structural brain development between childhood and adulthood: Convergence across four longitudinal samples. *Neuroimage*, 141, 273–281. <https://doi.org/10.1016/j.neuroimage.2016.07.044>

Mills, K. L., Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S. J. (2014). Developmental changes in the structure of the social brain in late childhood and adolescence. *Social cognitive and affective neuroscience*, 9(1), 123–131.
<https://doi.org/10.1093/scan/nss113>

Mills, K., Lalonde, F., Clasen, L. S., Giedd, J. N., & Blakemore, S.-J. (2014). Developmental changes in the structure of the social brain in late childhood and adolescence. *Social Cognitive and Affective Neuroscience*, 9(1), 123–131.
<https://doi.org/10.1093/scan/nss113>

Milosevic, T., Bhroin, N. N., Ólafsson, K., Staksrud, E., & Wachs, S. (2022). Time spent online and children’s self-reported life satisfaction in Norway: The socio-ecological perspective. *New Media & Society*, 26(5), 2407-2428. <https://doi.org/10.1177/14614448221082651>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Journal of Media Psychology</i>	Milson	Madigan
2019	<i>Social Media & Society</i>	Mingoia	Hutchinson, Gleaves, Wilson
2017	<i>Frontiers in Psychology</i>	Mingola	Hutchinson, Wilson, Gleaves
2023	<i>Cyberpsychology, Behavior, and Social Networking</i>	Minich	Zhao, Eickhoff, & Moreno
1998	<i>Physiological Reviews</i>	Missale, C.	Nash, S. R., Robinson, S. W., Jaber, M., & Caron, M. G.
2023	<i>Child Development</i>	Modi, H.H.	Davis, M.M., Troop-Gordon, W., Telzer, E.H., & Rudolph, K.D.
2020	<i>Journal of Research on Adolescence</i>	Modi, H.H†.	Davis, M.M†., Miernicki, M.E†., Telzer, E.H., & Rudolph, K.R.
2019	<i>Body Image</i>	Modica	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Picture Perfect: Perfectionistic Self-Presentation, Instagram Intrusion, and Body Satisfaction in Young Women
The Relationship Between Posting and Photo Manipulation Activities on Social Networking Sites and Internalization of a Tanned Ideal Among Australian Adolescents and Young Adults
The Relationship between Social Networking Site Use and the Internalization of a Thin Ideal in Females: A Meta-Analytic Review
In the Mood for Music: Listening to Music and Other Smartphone Uses Improve Adolescent Mood
Dopamine Receptors: From Structure to Function.
Need for approval and antisocial behavior moderate the effects of socioemotional cues on adolescent girls' cognitive control
Maternal antecedents to adolescent girls' neural regulation of emotion
Facebook, body esteem, and body surveillance in adult women: The moderating role of self-compassion and appearance-contingent self-worth

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Milson, R., & Madigan, D. J. (2024). Picture Perfect. <i>Journal of Media Psychology</i> . https://doi.org/10.1027/1864-1105/a000434
Mingoia, J., Hutchinson, A. D., Gleaves, D. H., & Wilson, C. (2019). The Relationship Between Posting and Photo Manipulation Activities on Social Networking Sites and Internalization of a Tanned Ideal Among Australian Adolescents and Young Adults. <i>Social Media + Society</i> , 5(1). https://doi.org/10.1177/2056305118820419
Mingoia, J., Hutchinson, A. D., Wilson, C., & Gleaves, D. H. (2017). The Relationship between Social Networking Site Use and the Internalization of a Thin Ideal in Females: A Meta-Analytic Review. <i>Frontiers in Psychology</i> , 8 (1351). https://doi.org/10.3389/fpsyg.2017.01351
Minich, M., Zhao, Q., Eickhoff, J., & Moreno, M. A. (2023). In the Mood for Music: Listening to Music and Other Smartphone Uses Improve Adolescent Mood. <i>Cyberpsychology, Behavior, and Social Networking</i> , 26 (11). https://doi.org/10.1089/cyber.2022.0344
Missale, C., Nash, S. R., Robinson, S. W., Jaber, M., & Caron, M. G. (1998). Dopamine Receptors: From Structure to Function. <i>Physiological Reviews</i> , 78(1), 189–225. https://doi.org/10.1152/physrev.1998.78.1.189
Modi, H.H., Davis, M.M., Troop-Gordon, W., Telzer, E.H., & Rudolph, K.D. (2023). Need for approval and antisocial behavior moderate the effects of socioemotional cues on adolescent girls' cognitive control. <i>Child Development</i> , 94, 529-543. https://doi.org/10.1111/cdev.13875
Modi, H.H†., Davis, M.M†., Miernicki, M.E†., Telzer, E.H., & Rudolph, K.R. (2020). Maternal antecedents to adolescent girls' neural regulation of emotion. <i>Journal of Research on Adolescence</i> , 30 581-598. https://doi.org/10.1111/jora.12545
Modica, C. (2019). Facebook, body esteem, and body surveillance in adult women: The moderating role of self-compassion and appearance-contingent self-worth. <i>Body Image</i> , 29 , 17–30. https://doi.org/10.1016/j.bodyim.2019.02.002

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Neuroimage</i>	Moisala, M.	Salmela, V., Hietajärvi, L., Salo, E., Carlson, S., Salonen, O., Lonka, K., Hakkarainen, K., Salmela-Aro, K., & Alho, K.
2016	<i>Pediatrics</i>	Mojtabai	Olfson, M., Han, B.
2017	<i>International journal of mental health and addiction</i>	Monacis, L.	de Palo, V., Griffiths, M. D., & Sinatra, M.
2019	<i>Neuropsychopharmacology</i>	Moningka, H.	Lichenstein, S., Worhunsky, P. D., DeVito, E. E., Scheinost, D., & Yip, S. W.
2007	<i>American Journal of Psychiatry</i>	Monk, C.S.	Klein, R.G., Telzer, E.H., Schroth, E.A., Mannuzza, S., Moulton III, J.L., Masten, C.L., McClure, E.B., Fromm, S., Blair, J.R., Pine, D.S., Ernst, M.
2008	<i>Archives of General Psychiatry</i>	Monk, C.S.	Telzer, E.H., Mogg, K., Bradley, B.P., Mai, X., Louro, H.M.C., Chen, McClure, E.B., Ernst, M., Pine, D.S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Media multitasking is associated with distractibility and increased prefrontal activity in adolescents and young adults
National trends in the prevalence and treatment of depression in adolescents and young adults
Exploring Individual Differences in Online Addictions: the Role of Identity and Attachment
Can neuroimaging help combat the opioid epidemic? A systematic review of clinical and pharmacological challenge fMRI studies with recommendations for future research.
Amygdala and nucleus accumbens activation to emotional facial expressions in diagnosis free juveniles at risk for major depression
Amygdala and ventrolateral prefrontal cortex activation to masked angry faces in children and adolescents with Generalized Anxiety Disorder

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Moisala, M., Salmela, V., Hietajärvi, L., Salo, E., Carlson, S., Salonen, O., Lonka, K., Hakkarainen, K., Salmela-Aro, K., & Alho, K. (2016). Media multitasking is associated with distractibility and increased prefrontal activity in adolescents and young adults. *Neuroimage* , 134, 113–121.
<https://doi.org/10.1016/j.neuroimage.2016.04.011>

Mojtabai, R., Olfson, M., & Han, B. (2016). National Trends in the Prevalence and Treatment of Depression in Adolescents and Young Adults. *Pediatrics* , 138 (6), e20161878.
<https://doi.org/10.1542/peds.2016-1878>

Monacis, L., de Palo, V., Griffiths, M. D., & Sinatra, M. (2017). Exploring Individual Differences in Online Addictions: the Role of Identity and Attachment. *International journal of mental health and addiction*, 15(4), 853–868. <https://doi.org/10.1007/s11469-017-9768-5>

Moninka, H., Lichenstein, S., Worhunsky, P. D., DeVito, E. E., Scheinost, D., & Yip, S. W. (2019). Can neuroimaging help combat the opioid epidemic? A systematic review of clinical and pharmacological challenge fMRI studies with recommendations for future research. *Neuropsychopharmacology*, 44(2), 259–273.
<https://doi.org/10.1038/s41386-018-0232-4>

Monk, C.S., Klein, R.G., Telzer, E.H., Schroth, E.A., Mannuzza, S., Moulton III, J.L., Masten, C.L., McClure, E.B., Fromm, S., Blair, J.R., Pine, D.S., Ernst, M. (2007). Amygdala and nucleus accumbens activation to emotional facial expressions in diagnosis free juveniles at risk for major depression. *American Journal of Psychiatry* , 165, 90-98.
<https://doi.org/10.1176/appi.ajp.2007.06111917>

Monk, C.S., Telzer, E.H., Mogg, K., Bradley, B.P., Mai, X., Louro, H.M.C., Chen, McClure, E.B., Ernst, M., Pine, D.S. (2008). Amygdala and ventrolateral prefrontal cortex activation to masked angry faces in children and adolescents with Generalized Anxiety Disorder. *Archives of General Psychiatry* , 65, 568-576.
<https://doi.org/10.1001/archpsyc.65.5.568>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>International Journal of Environmental Research and Public Health</i>	Montag, C.	Lachmann, B., Herrlich, M., & Zweig, K.
2019	<i>International journal of environmental research and public health</i>	Montag C.	Lachmann, B., Herrlich, M., Zweig, K.
2017	<i>Behavioural Brain Research</i>	Montag, C.	Markowetz, A., Blaszkiewicz, K., Andone, I., Lachmann, B., Sariyska, R., Trendafilov, B., Eibes, M., Kolb, J., Reuter, M., Weber, B., & Markett, S.
2004	<i>Nature</i>	Montague, P. R.	Hyman, S. E., & Cohen, J. D.
1978	<i>Annual Review of Neuroscience</i>	Moore, R. Y.	Bloom, F. E.
2013	<i>Psychiatric News</i>	Moran	N/A
2019	<i>Digital health</i>	Moreno, M. A.	Uhls, Y. T.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories
Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories.
Facebook usage on smartphones and gray matter volume of the nucleus accumbens
Computational roles for dopamine in behavioural control.
Central Catecholamine Neuron Systems: Anatomy and Physiology of the Dopamine Systems.
Gambling Disorder to Be Included in Addictions Chapter
Applying an affordances approach and a developmental lens to approach adolescent social media use

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Montag, C., Lachmann, B., Herrlich, M., & Zweig, K. (2019). Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories. *International Journal of Environmental Research and Public Health* , 16(14).
<https://doi.org/10.3390/ijerph16142612>

Montag, C., Lachmann, B., Herrlich, M., & Zweig, K. (2019). Addictive Features of Social Media/Messenger Platforms and Freemium Games against the Background of Psychological and Economic Theories. *International journal of environmental research and public health* , 16 (14), 2612.
<https://doi.org/10.3390/ijerph16142612>

Montag, C., Markowetz, A., Blaszkiewicz, K., Andone, I., Lachmann, B., Sariyska, R., Trendafilov, B., Eibes, M., Kolb, J., Reuter, M., Weber, B., & Markett, S. (2017). Facebook usage on smartphones and gray matter volume of the nucleus accumbens. *Behavioural Brain Research* , 329, 221–228.
<https://doi.org/10.1016/j.bbr.2017.04.035>

Montague, P. R., Hyman, S. E., & Cohen, J. D. (2004). Computational roles for dopamine in behavioural control. *Nature*, 431(7010), 760–767. <https://doi.org/10.1038/nature03015>

Moore, R. Y., & Bloom, F. E. (1978). Central Catecholamine Neuron Systems: Anatomy and Physiology of the Dopamine Systems. *Annual Review of Neuroscience*, 1(1), 129–169.
<https://doi.org/10.1146/annurev.ne.01.030178.001021>

Moran. (2013). Gambling Disorder to Be Included in Addictions Chapter | Psychiatric News.
<https://psychiatryonline.org/doi/10.1176/appi.pn.2013.4b14>

Moreno, M. A., & Uhls, Y. T. (2019). Applying an affordances approach and a developmental lens to approach adolescent social media use. *Digital health*, 5, 2055207619826678.
<https://doi.org/10.1177/2055207619826678>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Moreno	Binger, Minich, Zhao, Eickhoff
2012	<i>Psychology</i>	Moreno	Jelenchick, Koff, & Eickhoff
2021	<i>Cognitive, Affective & Behavioral Neuroscience</i>	Moretta, T.	Buodo, G.
2022	<i>Cambridge University Press</i>	Morris, A. S.	Mendez Smith, J. (Eds.).
2023	<i>Current Behavioral Neuroscience Reports</i>	Morris, R.	Moretta, T. & Potenza, M. N.
2019	<i>Experimental Economics</i>	Mosquera, R.	Odunowo, M., McNamara, T., Guo, X., & Petrie, R.
2008	<i>The Journal of Neuroscience</i>	Moss, J.	Bolam, J. P.
2020	<i>Depression and anxiety</i>	Mundy	Canterford, Moreno-Betancur, Hoq, Sawyer, Allen, & Patton

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescent Digital Technology Interactions and Importance: Associations with Depression and Well-Being
Depression and Internet Use among Older Adolescents: An Experience Sampling Approach
Response inhibition in problematic social network sites use: an ERP study
The cambridge handbook of parenting
The psychobiology of problematic use of social media
The economic effects of Facebook
A Dopaminergic Axon Lattice in the Striatum and Its Relationship with Cortical and Thalamic Terminals.
Social networking and symptoms of depression and anxiety in early adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Moreno, M. A., Binger, K., Minich, M., Zhao, Q., & Eickhoff, J. (2022). Adolescent Digital Technology Interactions and Importance: Associations with Depression and Well-Being. <i>Cyberpsychology, Behavior, and Social Networking</i> , 25 (4). https://doi.org/10.1089/cyber.2021.0294</p>
<p>Moreno, M. A., Jelenchick, L., Koff, R., & Eickhoff, J. (2012). Depression and Internet Use among Older Adolescents: An Experience Sampling Approach. <i>Psychology</i> , 03 (09), 743–748. https://doi.org/10.4236/psych.2012.329112</p>
<p>Moretta, T., & Buodo, G. (2021). Response inhibition in problematic social network sites use: an ERP study. <i>Cognitive, Affective & Behavioral Neuroscience</i> , 21(4), 868–880. https://doi.org/10.3758/s13415-021-00879-9</p>
<p>Morris, A. S., & Mendez Smith, J. (Eds.). (2022). The cambridge handbook of parenting. Cambridge University Press. https://doi.org/10.1017/9781108891400</p>
<p>Morris, R., Moretta, T., & Potenza, M. N. (2023). The psychobiology of problematic use of social media. <i>Current Behavioral Neuroscience Reports</i> s, 10(4), 65–74. https://doi.org/10.1007/s40473-023-00261-8</p>
<p>Mosquera, R., Odunowo, M., McNamara, T., Guo, X., & Petrie, R. (2019). The economic effects of Facebook. <i>Experimental Economics</i> , 23 (2). https://doi.org/10.1007/s10683-019-09625-y</p>
<p>Moss, J., & Bolam, J. P. (2008). A Dopaminergic Axon Lattice in the Striatum and Its Relationship with Cortical and Thalamic Terminals. <i>The Journal of Neuroscience</i>, 28(44), 11221–11230. https://doi.org/10.1523/JNEUROSCI.2780-08.2008</p>
<p>Mundy, L. K., Canterford, L., Moreno-Betancur, M., Hoq, M., Sawyer, S. M., Allen, N. B., & Patton, G. C. (2020). Social networking and symptoms of depression and anxiety in early adolescence. <i>Depression and Anxiety</i> , 38 (5). https://doi.org/10.1002/da.23117</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>The Journal of Adolescent Health</i>	Murray, A. L.	Xie, T.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Murray	Maras, Goldfield
2018	<i>Development and Psychopathology</i>	Muscatell, K.A.	McCormick, E.M†. & Telzer, E.H.
2018	<i>Turkish Journal of Physical Medicine and Rehabilitation</i>	Mustafaoğlu, R.	Erhan, B., Yeldan, İ., Ersöz Hüseyinsinoğlu, B., Gündüz, B., & Razak Özdiñçler, A
2005	<i>The American journal of psychiatry</i>	Nader, M. A.	Czoty, P. W.
2024	<i>Journal of Adolescent Health</i>	Nagata	Cheng, Shim, Kiss, Ganson, Testa, He, Baker

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Engaging adolescents in contemporary longitudinal health research: strategies for promoting participation and retention
Excessive Time on Social Networking Sites and Disordered Eating Behaviors Among Undergraduate Students: Appearance and Weight Esteem as Mediating Pathways
Subjective social status and neural processing of race in Mexican-American adolescents
The effects of body weight-supported treadmill training on static and dynamic balance in stroke patients: A pilot, single-blind, randomized trial
PET imaging of dopamine D2 receptors in monkey models of cocaine abuse: genetic predisposition versus environmental modulation
Bedtime Screen Use Behaviors and Sleep Outcomes in Early Adolescents: A Prospective Cohort Study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Murray, A. L., & Xie, T. (2024). Engaging adolescents in contemporary longitudinal health research: strategies for promoting participation and retention. *The Journal of Adolescent Health* , 74(1), 9–17.
<https://doi.org/10.1016/j.jadohealth.2023.06.032>

Murray, M., Maras, D., & Goldfield, G. S. (2016). Excessive Time on Social Networking Sites and Disordered Eating Behaviors Among Undergraduate Students: Appearance and Weight Esteem as Mediating Pathways. *Cyberpsychology, Behavior, and Social Networking* , 19(12), 709–715.
<https://doi.org/10.1089/cyber.2016.0384>

Muscatell, K.A., McCormick, E.M†., & Telzer, E.H. (2018). Subjective social status and neural processing of race in Mexican-American adolescents. *Development and Psychopathology* , 30, 1837-1848. <https://doi.org/10.1017/S0954579418000949>. Special Issue on Cultural Development and Psychopathology.

Mustafaoğlu, R., Erhan, B., Yeldan, İ., Ersöz Hüseyinsinoğlu, B., Gündüz, B., & Razak Özdiñler, A. (2018). The effects of body weight-supported treadmill training on static and dynamic balance in stroke patients: A pilot, single-blind, randomized trial. *Turkish Journal of Physical Medicine and Rehabilitation* , 64(4), 344–352.
<https://doi.org/10.5606/tftrd.2018.2672>

Nader, M. A., & Czoty, P. W. (2005). PET imaging of dopamine D2 receptors in monkey models of cocaine abuse: genetic predisposition versus environmental modulation. *The American journal of psychiatry*, 162(8), 1473–1482.
<https://doi.org/10.1176/appi.ajp.162.8.1473>

Nagata, J. M., Cheng, C. M., Shim, J., Kiss, O., Ganson, K. T., Testa, A., He, J., & Baker, F. C. (2024). Bedtime Screen Use Behaviors and Sleep Outcomes in Early Adolescents: A Prospective Cohort Study. *Journal of Adolescent Health* , 75 (4).
<https://doi.org/10.1016/j.jadohealth.2024.06.006>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Journal of child psychology and psychiatry, and allied disciplines</i>	Nagata	Chu, Ganson, Murray, Iyer, Gabriel, Garber, Bibbins-Domingo, & Baker
2021	<i>International Journal of Eating Disorders</i>	Nagata	Iyer, Chu, Baker, Pettee Gabriel, Garber, Murray, Bibbins-Domingo, & Ganson
2025	<i>Social Psychiatry and Psychiatric Epidemiology: The International Journal for Research in Social and Genetic Epidemiology and Mental Health Services</i>	Nagata	Zamora, Al-Shoaibi, Lavender, Ganson, Testa, He, Baker
2022	<i>The Journal of Pediatrics</i>	Nagata, J.	et al.
2025	<i>Academic Pediatrics</i>	Nagata, J.	et. al.
2012	<i>The Journal of Neuroscience</i>	Naneix, F.	Naneix, F., Marchand, A. R., Di Scala, G., Pape, J.-R., & Coutureau, E.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Contemporary screen time modalities and disruptive behavior disorders in children: a prospective cohort study
Contemporary screen time modalities among children 9–10 years old and binge-eating disorder at one-year follow-up: A prospective cohort study
Screen time and manic symptoms in early adolescents: Prospective findings from the adolescent brain cognitive development study.
Sociodemographic Correlates of Contemporary Screen Time Use among 9- and 10-Year-Old Children
Prevalence and Patterns of Social Media Use in Early Adolescents.
Parallel Maturation of Goal-Directed Behavior and Dopaminergic Systems during Adolescence.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Nagata, J. M., Chu, J., Ganson, K. T., Murray, S. B., Iyer, P., Gabriel, K. P., Garber, A. K., Bibbins-Domingo, K., & Baker, F. C. (2022). Contemporary screen time modalities and disruptive behavior disorders in children: a prospective cohort study. *Journal of Child Psychology and Psychiatry* , 64 (1).
<https://doi.org/10.1111/jcpp.13673>

Nagata, J. M., Iyer, P., Chu, J., Baker, F. C., Pettee Gabriel, K., Garber, A. K., Murray, S. B., Bibbins-Domingo, K., & Ganson, K. T. (2021). Contemporary screen time modalities among children 9–10 years old and binge-eating disorder at one-year follow-up: A prospective cohort study. *International Journal of Eating Disorders* , 54 (5). <https://doi.org/10.1002/eat.23489>

Nagata, J. M., Zamora, G., Abubakr A A Al-Shoaibi, Lavender, J. M., Ganson, K. T., Testa, A., He, J., & Baker, F. C. (2025). Screen time and manic symptoms in early adolescents: prospective findings from the Adolescent Brain Cognitive Development Study. *Social Psychiatry and Psychiatric Epidemiology* .
<https://doi.org/10.1007/s00127-025-02814-6>

Nagata, J., et al. (2022). Sociodemographic Correlates of Contemporary Screen Time Use among 9- and 10-Year-Old Children, *The Journal of Pediatrics* , 240, 213-220.
[https://www.jpeds.com/article/S0022-3476\(21\)00862-3/fulltext](https://www.jpeds.com/article/S0022-3476(21)00862-3/fulltext)

Nagata, J., et. al. (2025). Prevalence and Patterns of Social Media Use in Early Adolescents. *Academic Pediatrics* , 25(4), 102784.
<https://doi.org/10.1016/j.acap.2025.102784>

Naneix, F., Marchand, A. R., Di Scala, G., Pape, J.-R., & Coutureau, E. (2012). Parallel Maturation of Goal-Directed Behavior and Dopaminergic Systems during Adolescence. *The Journal of Neuroscience*, 32(46), 16223–16232.
<https://doi.org/10.1523/JNEUROSCI.3080-12.2012>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Human Brain Mapping</i>	Narvacan, K.	Treit, S., Camicioli, R., Martin, W., & Beaulieu, C.
2019	<i>National Academies Press (US)</i>	National Academies of Sciences, Engineering, and Medicine	N/A
2024	<i>The National Academies Press</i>	National Academies of Sciences, Engineering	N/A
2025	<i>Frontiers in Behavioral Neuroscience</i>	Navalon-Gonzalez	Montenegro-Espinosa, Guierrez-Espinoza, Olivares-Arancibia, Yanez-Sepulveda, Duclos-Bastias, Garrido-Miguel, Mesas, Lopez-Gil, Jimenez-Lopez
2022	<i>Journal of Child Psychology and Psychiatry</i>	Nelson, B.W†.	Flannery, J.E†., Duell, N†., Flournoy, J., Prinstein, M.J., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Evolution of deep gray matter volume across the human lifespan
The promise of adolescence: Realizing opportunity for all youth
Social Media and Adolescent Health
Associations between social networks, messaging apps, addictive behaviors, and sleep problems in adolescents: The EHDLA study.
Concurrent and prospective associations between Fitbit wearable derived RDoC arousal and regulation constructs and adolescent internalizing symptoms

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Narvacan, K., Treit, S., Camicioli, R., Martin, W., & Beaulieu, C. (2017). Evolution of deep gray matter volume across the human lifespan. *Human Brain Mapping*, 38(8), 3771–3790. <https://doi.org/10.1002/hbm.23604>

National Academies of Sciences, Engineering, and Medicine. (2019). The promise of adolescence: Realizing opportunity for all youth. National Academies Press (US). <https://doi.org/10.17226/25388>

National Academies of Sciences, Engineering, and Medicine. (2024). Social Media and Adolescent Health. Washington, DC: The National Academies Press. <https://doi.org/10.17226/27396>.

Navalón-González, M., Adrián Montenegro-Espinosa, J., Gutiérrez-Espinoza, H., Olivares-Arancibia, J., Yañez-Sepúlveda, R., Duclos-Bastías, D., Garrido-Miguel, M., Mesas, A. E., Francisco López-Gil, J., & Jiménez-López, E. (2025). Associations between social networks, messaging apps, addictive behaviors, and sleep problems in adolescents: the EHDLA study. *Frontiers in Behavioral Neuroscience*, 19. <https://doi.org/10.3389/fnbeh.2025.1512535>

Nelson, B.W†., Flannery, J.E†., Duell, N†., Flournoy, J., Prinstein, M.J., & Telzer, E.H. (2022). Concurrent and prospective associations between Fitbit wearable derived RDoC arousal and regulation constructs and adolescent internalizing symptoms. *Journal of Child Psychology and Psychiatry*, 63, 282-295. <https://doi.org/10.1111/jcpp.13471>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
(in press)	<i>Development and Psychopathology</i>	Nelson, B†.	Pollak, O.H., Clayton, M., Telzer, E.H., & Prinstein, M.J.
2020	<i>Trends in Neurosciences</i>	Nelson, C. A.	Gabard-Durnam, L. J.
2015	<i>John Wiley & Sons, Inc.</i>	Nelson, C.	de Haan, M., & Thomas, K. M.
2016	<i>Developmental Cognitive Neuroscience</i>	Nelson, E.	Jarcho, J. M. & Guyer, A. E.
2023	<i>Int'l. J. of Edu. Mgmt.</i>	Nema, P.	et. al.
(accepted with minor revisions)	<i>Psychology of Popular Media</i>	Nesi, J.*	Burnell, K.*, Fox, K. A., Armstrong-Carter, E., Field, N. H., Maza, M. T., Garrett, S. L., Kilic, Z., Nick, E. A., Nail, M., Turk, Y., Prinstein, M. J., & Telzer, E. H.
2015	<i>Journal of Abnormal Child Psychology</i>	Nesi, J.	Prinstein, M. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
An RDoC-based approach to adolescent self-injurious thoughts and behaviors: The interactive role of social affiliation and cardiac arousal
Early adversity and critical periods: Neurodevelopmental consequences of violating the expectable environment
<i>Neuroscience of cognitive development: the role of experience and the developing brain</i>
Social re-orientation and brain development: An expanded and updated view
Impact of social media distraction on student evaluation of teacher effectiveness
Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness.
Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Nelson, B†., Pollak, O.H., Clayton, M., Telzer, E.H., & Prinstein, M.J. (in press). An RDoC-based approach to adolescent self-injurious thoughts and behaviors: The interactive role of social affiliation and cardiac arousal. <i>Development and Psychopathology</i>. https://doi.org/10.1017/S0954579423000251</p>
<p>Nelson, C. A., & Gabard-Durnam, L. J. (2020). Early adversity and critical periods: Neurodevelopmental consequences of violating the expectable environment. <i>Trends in Neurosciences</i>, 43(3), 133–143. https://doi.org/10.1016/j.tins.2020.01.002</p>
<p>Nelson, C., de Haan, M., & Thomas, K. M. (2015). <i>Neuroscience of cognitive development: the role of experience and the developing brain</i>. John Wiley & Sons, Inc. https://doi.org/10.1002/9780470939413</p>
<p>Nelson, E., Jarcho, J. M., & Guyer, A. E. (2016). Social re-orientation and brain development: An expanded and updated view. <i>Developmental Cognitive Neuroscience</i>, 17, 118–127. https://doi.org/10.1016/j.dcn.2015.12.008</p>
<p>Nema, P., Srivastava, R., Bhalla, R., & Chakarboby, A. (2023). Impact of social media distraction on student evaluation of teacher effectiveness. <i>International Journal of Educational Management</i>. https://doi.org/10.1108/ijem-10-2022-0389</p>
<p>Nesi, J.*, Burnell, K.*, Fox, K. A., Armstrong-Carter, E., Field, N. H., Maza, M. T., Garrett, S. L., Kilic, Z., Nick, E. A., Nail, M., Turk, Y., Prinstein, M. J., & Telzer, E. H. (accepted with minor revisions). Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness. <i>Psychology of Popular Media</i>. *indicates joint first authorship.</p>
<p>Nesi, J., & Prinstein, M. J. (2015). Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms. <i>Journal of Abnormal Child Psychology</i>, 43(8), 1427–1438. https://doi.org/10.1007/s10802-015-0020-0</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Journal of abnormal child psychology</i>	Nesi J.	Prinstein, M.J.
2018	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi	Prinstein
2019	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi, J.	Prinstein, M. J.
2022	<i>Journal of Affective Disorders</i>	Nesi	Burke, Caltabiano, Spirito, Wolff
2018	<i>Clinical Child and Family Psychology Review</i>	Nesi, J.	Choukas-Bradley, S. & Prinstein, M. J.
2021	N/A	Nesi, J.	Dredge, R., Maheux, A. J., Roberts, S. R., Fox, K. A., & Choukas-Bradley, S.
2021	<i>Psychology of Popular Media</i>	Nesi, J.	et. al.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms.
In Search of Likes: Longitudinal Associations Between Adolescents' Digital Status Seeking and Health-Risk Behaviors
In Search of Likes: Longitudinal Associations Between Adolescents' Digital Status Seeking and Health-Risk Behaviors
Digital media-related precursors to psychiatric hospitalization among youth
Transformation of Adolescent Peer Relations in the Social Media Context: Part 1-A Theoretical Framework and Application to Dyadic Peer Relationships
Peer experiences via social media
Selfie Appearance Investment And Peer Feedback Concern: Multimethod Investigation Of Adolescent Selfie Practices and Adjustment.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Nesi, J., & Prinstein, M. J. (2015). Using Social Media for Social Comparison and Feedback-Seeking: Gender and Popularity Moderate Associations with Depressive Symptoms. <i>Journal of abnormal child psychology</i> , 43 (8), 1427–1438. https://doi.org/10.1007/s10802-015-0020-0</p>
<p>Nesi, J., & Prinstein, M. J. (2018). In Search of Likes: Longitudinal Associations Between Adolescents’ Digital Status Seeking and Health-Risk Behaviors. <i>Journal of Clinical Child & Adolescent Psychology</i> , 48 (5), 740–748. https://doi.org/10.1080/15374416.2018.1437733</p>
<p>Nesi, J., & Prinstein, M. J. (2019). In Search of Likes: Longitudinal Associations Between Adolescents’ Digital Status Seeking and Health-Risk Behaviors. <i>Journal of Clinical Child and Adolescent Psychology</i> , 48(5), 740–748. https://doi.org/10.1080/15374416.2018.1437733</p>
<p>Nesi, J., Burke, T. A., Caltabiano, A., Spirito, A., & Wolff, J. C. (2022). Digital media-related precursors to psychiatric hospitalization among youth. <i>Journal of Affective Disorders</i> , 310 , 235–240. https://doi.org/10.1016/j.jad.2022.05.013</p>
<p>Nesi, J., Choukas-Bradley, S., & Prinstein, M. J. (2018). Transformation of Adolescent Peer Relations in the Social Media Context: Part 1-A Theoretical Framework and Application to Dyadic Peer Relationships. <i>Clinical Child and Family Psychology Review</i> , 21(3), 267–294. https://doi.org/10.1007/s10567-018-0261-x</p>
<p>Nesi, J., Dredge, R., Maheux, A. J., Roberts, S. R., Fox, K. A., & Choukas-Bradley, S. (2021). Peer experiences via social media. https://doi.org/10.31234/osf.io/s8mru</p>
<p>Nesi, J., et. al. (2021). Selfie Appearance Investment And Peer Feedback Concern: Multimethod Investigation Of Adolescent Selfie Practices and Adjustment. <i>Psychology of Popular Media</i> , 10(4), 488–499. https://doi.org/10.1037/ppm0000342</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Journal of Clinical Child & Adolescent Psychology</i>	Nesi	Rothenberg, Bettis, MassingSchaffer, Fox, Telzer, Lindquist, & Prinstein
2021	<i>Journal of Clinical Child and Adolescent Psychology</i>	Nesi, J.	Rothenberg, W.A., Bettis, A.H., Massing-Schaffer, M., Fox, K.A., Telzer, E.H., Lindquist, K.A., Prinstein, M.J.
2022	<i>Cambridge University Press</i>	Nesi, J.	Telzer, E. H., & Prinstein, M. J. (Eds.).
2020	<i>Psychological Inquiry</i>	Nesi, J.	Telzer, E.H., & Prinstein, M.J.
2022	<i>Cambridge University Press</i>	Nesi, J.	Telzer, E.H., & Prinstein, M.J. Eds.
(in press)	<i>Psychology of Popular Media</i>	Nesi, J.	* Burnell, K.,* Fox, K.A., Armstrong-Carter, E., Field, N.H., Maza, M.T., Garrett, S.L., Kilic, Z., Nick, E.A., Nail, M., Turk, Y., Prinstein, M.J., & Telzer, E.H.
2004	<i>Pharmacology & Therapeutics</i>	Nichols, D. E.	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Emotional Responses to Social Media Experiences Among Adolescents: Longitudinal Associations with Depressive Symptoms
Emotional responses to social media experiences among adolescents: Longitudinal associations with depressive symptoms
Handbook of Adolescent Digital Media Use and Mental Health.
Adolescent development in the digital media context
The Handbook of Adolescent Social Media Use and Mental Health
Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness
Hallucinogens.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Nesi, J., Rothenberg, W. A., Bettis, A. H., Massing-Schaffer, M., Fox, K. A., Telzer, E. H., ... Prinstein, M. J. (2021). Emotional Responses to Social Media Experiences Among Adolescents: Longitudinal Associations with Depressive Symptoms. <i>Journal of Clinical Child & Adolescent Psychology</i> , 51 (6), 907–922. https://doi.org/10.1080/15374416.2021.1955370</p>
<p>Nesi, J., Rothenberg, W.A., Bettis, A.H., Massing-Schaffer, M., Fox, K.A., Telzer, E.H., Lindquist, K.A., Prinstein, M.J. (2021). Emotional responses to social media experiences among adolescents: Longitudinal associations with depressive symptoms. <i>Journal of Clinical Child and Adolescent Psychology</i> , 23, 1-16. https://doi.org/10.1080/15374416.2021.1955370</p>
<p>Nesi, J., Telzer, E. H., & Prinstein, M. J. (Eds.). (2022). Handbook of Adolescent Digital Media Use and Mental Health. Cambridge University Press. https://doi.org/10.1017/9781108976237</p>
<p>Nesi, J., Telzer, E.H., & Prinstein, M.J. (2020). Adolescent development in the digital media context. <i>Psychological Inquiry</i> , 31, 229-234. https://doi.org/https://doi.org/10.1080/1047840X.2020.1820219</p>
<p>Nesi, J., Telzer, E.H., & Prinstein, M.J. Eds. (2022). The Handbook of Adolescent Social Media Use and Mental Health. Cambridge University Press. https://doi.org/10.1017/9781108976237</p>
<p>Nesi, J.,* Burnell, K.,* Fox, K.A., Armstrong-Carter, E., Field, N.H., Maza, M.T., Garrett, S.L., Kilic, Z., Nick, E.A., Nail, M., Turk, Y., Prinstein, M.J., & Telzer, E.H. (in press). Objectively-measured smartphone pickups among adolescents: Associations with daily positive and negative affect and mindfulness. <i>Psychology of Popular Media</i>. *denotes equal author contribution</p>
<p>Nichols, D. E. (2004). Hallucinogens. <i>Pharmacology & Therapeutics</i>, 101(2), 131–181. https://doi.org/10.1016/j.pharmthera.2003.11.002</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Journal of Adolescent Health</i>	Nick	Kilica, Nesi, Telzer, Lindquist, & Prinstein
2022	<i>Journal of Adolescent Health</i>	Nick, E.A.	Kilic, Z., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J.
2021	<i>Developmental Cognitive Neuroscience</i>	Nketia, J.	Amso, D. & Brito, N. H.
2023	<i>Media Psychology</i>	Noon	Maes, Karsay, Vandenbosch
2015	<i>Nature Reviews Neuroscience</i>	Nutt, D. J.	Lingford-Hughes, A., Erritzoe, D., & Stokes, P. R. A.
2023	<i>Leisure Studies</i>	O'Brien	N/A
2023	<i>Social Media + Society</i>	Oden, A.	Porter, L.
2024	<i>Nature</i>	Odgers, C.	N/A
2020	<i>Journal of Child Psychology and Psychiatry</i>	Odgers, C. L.	Jensen, M. R.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescent Digital Stress: Frequencies, Correlates, and Longitudinal Association With Depressive Symptoms
Adolescent digital stress: Frequencies, correlates, and longitudinal association with depressive symptoms
Towards a more inclusive and equitable developmental cognitive neuroscience
Making the Good Better? Investigating the Long-Term Associations Between Capitalization on Social Media and Adolescents' Life Satisfaction
The dopamine theory of addiction: 40 years of highs and lows.
'It's just nice not to be on screens': exploring the relationship between pottery making, eudemonic wellbeing, and Instagram
The kids are online: Teen social media use, civic engagement, and affective polarization
The great rewiring, unplugged: Is social media really behind an epidemic of teenage mental illness?
Annual Research Review: Adolescent mental health in the digital age: facts, fears, and future directions.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Nick, E. A., Kilic, Z., Nesi, J., Telzer, E. H., Lindquist, K. A., & Prinstein, M. J. (2022). Adolescent Digital Stress: Frequencies, Correlates, and Longitudinal Association With Depressive Symptoms. <i>Journal of Adolescent Health</i> , 70 (2), 336–339. https://doi.org/10.1016/j.jadohealth.2021.08.025</p>
<p>Nick, E.A., Kilic, Z., Nesi, J., Telzer, E.H., Lindquist, K.A., & Prinstein, M.J. (2022). Adolescent digital stress: Frequencies, correlates, and longitudinal association with depressive symptoms. <i>Journal of Adolescent Health</i> , 70, 336-339. https://doi.org/10.1016/j.jadohealth.2021.08.025</p>
<p>Nketia, J., Amso, D., & Brito, N. H. (2021). Towards a more inclusive and equitable developmental cognitive neuroscience. <i>Developmental Cognitive Neuroscience</i> , 52, 101014. https://doi.org/10.1016/j.dcn.2021.101014</p>
<p>Noon, E. J., Maes, C., Karsay, K., & Vandenbosch, L. (2023). Making the Good Better? Investigating the Long-Term Associations Between Capitalization on Social Media and Adolescents’ Life Satisfaction. <i>Media Psychology</i> , 27 (2), 161–185. https://doi.org/10.1080/15213269.2023.2227941</p>
<p>Nutt, D. J., Lingford-Hughes, A., Erritzoe, D., & Stokes, P. R. A. (2015). The dopamine theory of addiction: 40 years of highs and lows. <i>Nature Reviews Neuroscience</i>, 16(5), 305–312. https://doi.org/10.1038/nrn3939</p>
<p>O’Brien, C. (2023). ‘It’s just nice not to be on screens’: exploring the relationship between pottery making, eudemonic wellbeing, and Instagram. <i>Leisure Studies</i> , 43 (2), 249–262. https://doi.org/10.1080/02614367.2023.2218600</p>
<p>Oden, A. & Porter, L. (2023) The kids are online: Teen social media use, civic engagement, and affective polarization. <i>Social Media + Society</i> Volume 9, Issue 3</p>
<p>Odgers, C. (2024). The great rewiring, unplugged: Is social media really behind an epidemic of teenage mental illness? <i>Nature</i>, 628, 29-30.</p>
<p>Odgers, C. L., & Jensen, M. R. (2020). Annual Research Review: Adolescent mental health in the digital age: facts, fears, and future directions. <i>Journal of Child Psychology and Psychiatry</i>, 61(3), 336–348. https://doi.org/10.1111/jcpp.13190</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Council Report No 2.</i>	Odgers, C.L.	et. al., and the National Scientific Council on Adolescence
2021	<i>US Department of Health and Human Services</i>	Office of the Surgeon General	N/A
2023	<i>US Department of Health and Human Services</i>	Office of the Surgeon General	N/A
2020	<i>Youth & Society</i>	Ohannessian	Vannucci
2021	<i>Journal of Affective Disorders</i>	Ohannessian	Fagle, & Salafia
2017	<i>Neuroscience Research</i>	Oishi, Y.	Lazarus, M.
2024	<i>Communications Psychology</i>	Oldermburgo de Mello	Cheung, Inzlicht
1954	<i>J Comp Physiol Psychol.</i>	Olds, J.	Milner, P.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Engaging, Safe, and Evidence-Based: What Science Tells Us About How to Promote Positive Development and Decrease Risk In Online Spaces, Council Report No 2.
<i>Protecting Youth Mental Health: The U.S. Surgeon General's Advisory</i>
Social media and youth mental health: the U.S. surgeon general's advisory
Technology use typologies and psychological adjustment during adolescence
Social media use and internalizing symptoms during early adolescence: The role of co-rumination
The control of sleep and wakefulness by mesolimbic dopamine systems.
Twitter (X) use predicts substantial changes in well-being, polarization, sense of belonging, and outrage
Positive Reinforcement Produced by Electrical Stimulation of Septal Area and other Regions of the Rat Brain.

Literature Review - APA Publication Cite
<p>Odgers, C.L., et. al., and the National Scientific Council on Adolescence (2022). Engaging, Safe, and Evidence-Based: What Science Tells Us About How to Promote Positive Development and Decrease Risk In Online Spaces, Council Report No 2. https://osf.io/preprints/psyarxiv/rvn8q_v1.</p>
<p>Office of the Surgeon General (OSG). (2021). <i>Protecting Youth Mental Health: The U.S. Surgeon General’s Advisory</i>. US Department of Health and Human Services.</p>
<p>Office of the Surgeon General. (2023). Social media and youth mental health: the U.S. surgeon general’s advisory. US Department of Health and Human Services.</p>
<p>Ohannessian, C. M., & Vannucci, A. (2020). Technology Use Typologies and Psychological Adjustment during Adolescence. <i>Youth & Society</i> , 52 (6), 960–983. https://eric.ed.gov/?id=EJ1259257</p>
<p>Ohannessian, C. M., Fagle, T., & Salafia, C. (2021). Social media use and internalizing symptoms during early adolescence: The role of co-rumination. <i>Journal of Affective Disorders</i> , 280 , 85–88. https://doi.org/10.1016/j.jad.2020.10.079</p>
<p>Oishi, Y., & Lazarus, M. (2017). The control of sleep and wakefulness by mesolimbic dopamine systems. <i>Neuroscience Research</i>, 118, 66–73. https://doi.org/10.1016/j.neures.2017.04.008</p>
<p>Oldemburgo, V., Cheung, F., & Inzlicht, M. (2024). Twitter (X) use predicts substantial changes in well-being, polarization, sense of belonging, and outrage. <i>Communications Psychology</i> , 2 (1). https://doi.org/10.1038/s44271-024-00062-z</p>
<p>Olds J. & Milner, P. (1954). Positive Reinforcement Produced by Electrical Stimulation of Septal Area and other Regions of the Rat Brain. <i>J Comp Physiol Psychol</i>. 1954 Dec;47(6):419-27. doi: 10.1037/h0058775. PMID: 13233369.</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2013	<i>Biological Psychiatry</i>	Olsavsky, A.K.	Telzer, E.H., Shapiro, M. Humphreys, K.L., Flannery, J., Goff, B., & Tottenham, N.
2025	<i>Translational Psychiatry</i>	Opendak, M.	et al.,
2020	<i>Social psychiatry and psychiatric epidemiology</i>	Orben A.	N/A
2019	<i>PNAS</i>	Orben	Dienlin, Przybylski
2022	<i>Nature Communications</i>	Orben	Przybylski, Blakemore, Kievit
2020	<i>The Lancet. Child & Adolescent Health</i>	Orben, A.	Tomova, L., & Blakemore, S.-J.
2013	<i>Journal of Neuroscience</i>	Ordaz, S. J.	Foran, W., Velanova, K., & Luna, B.
2015	<i>Neuroimage</i>	Oswald, A	et al.,

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Indiscriminate amygdala response to mothers and strangers after early maternal deprivation
Understanding the development of a functional brain circuit: Reward processing as an illustration. Translational Psychiatry, 15:53; https://doi.org/10.1038/s41398-025-03280-z
Teenagers, screens and social media: a narrative review of reviews and key studies.
Social media's enduring effect on adolescent life satisfaction
Windows of developmental sensitivity to social media
The effects of social deprivation on adolescent development and mental health.
Longitudinal growth curves of brain function underlying inhibitory control through adolescence
Risky decision-making and ventral striatal dopamine responses to amphetamine: A positron emission tomography [11C] Raclopride Study in Healthy Adults

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Olsavsky, A.K., Telzer, E.H., Shapiro, M. Humphreys, K.L., Flannery, J., Goff, B., & Tottenham, N. (2013). Indiscriminate amygdala response to mothers and strangers after early maternal deprivation. <i>Biological Psychiatry</i> , 11, 853-860. https://doi.org/10.1016/j.biopsych.2013.05.025
Opendak, M., et al., (2025). Understanding the development of a functional brain circuit: Reward processing as an illustration.
Orben A. (2020). Teenagers, screens and social media: a narrative review of reviews and key studies. <i>Social psychiatry and psychiatric epidemiology</i> , 55(4), 407–414. https://doi.org/10.1007/s00127-019-01825-4
Orben, A., Dienlin, T., & Przybylski, A. K. (2019). Social media’s enduring effect on adolescent life satisfaction. <i>Proceedings of the National Academy of Sciences</i> , 116 (21), 10226–10228. https://doi.org/10.1073/pnas.1902058116
Orben, A., Przybylski, A. K., Blakemore, S.-J., & Kievit, R. A. (2022). Windows of developmental sensitivity to social media. <i>Nature Communications</i> , 13 (1), 1649. https://doi.org/10.1038/s41467-022-29296-3
Orben, A., Tomova, L., & Blakemore, S.-J. (2020). The effects of social deprivation on adolescent development and mental health. <i>The Lancet. Child & Adolescent Health</i> , 4(8), 634–640.
Ordaz, S. J., Foran, W., Velanova, K., & Luna, B. (2013). Longitudinal growth curves of brain function underlying inhibitory control through adolescence. <i>Journal of Neuroscience</i> , 33(46), 18109-18124.
Oswald, A, et al., (2015) Risky decision-making and ventral striatal dopamine responses to amphetamine: A positron emission tomography [11C] Raclopride Study in Healthy Adults. <i>Neuroimage</i> . 2015 June ; 113: 26–36. doi:10.1016/j.neuroimage.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Scandinavian Journal of Public Health</i>	Birgisson	Hysing, Eriksen, Johannsson, Gestsdottir
2017	<i>Minerva Pediatrica</i>	Owens, J. A.	Weiss, M. R.
2021	<i>Journal of Adolescent Research</i>	Paddock	Bell
2024	<i>Body Image</i>	Paddock, D. L.	Bell, B. T. & Cassarly, J.
2025	<i>Body Image</i>	Paddock	Bell, Cassarly
2011	<i>Developmental Cognitive Neuroscience</i>	Padmanabhan, A.	Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B.
2023	<i>Computers in Human B</i>	Pagano	Pagano, Bacaro, Crocetti

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The relationship between online communication and adolescents' mental health: Long-term evaluation between genders
Insufficient sleep in adolescents: causes and consequences
"It's better saying I look fat instead of saying you look fat": A qualitative study of UK adolescents' understanding of appearance-related interactions on social media
"OMG you look amazing": A systematic examination of the text-based interactions surrounding UK adolescent girls' self-images on Instagram
"OMG you look amazing": A systematic examination of the text-based interactions surrounding UK adolescent girls' self-images on Instagram
Developmental changes in brain function underlying the influence of reward processing on inhibitory control
"Using digital media or sleeping ... that is the question". A meta-analysis on digital media use and unhealthy sleep in adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Ottar Birgisson, Hysing, M., Eriksen, H. R., Erlingur Johannsson, & Sunna Gestsdottir. (2023). The relationship between online communication and adolescents' mental health: Long-term evaluation between genders. *Scandinavian Journal of Public Health* , 52 (4), 140349482311613-140349482311613. <https://doi.org/10.1177/14034948231161382>

Owens, J. A., & Weiss, M. R. (2017). Insufficient sleep in adolescents: causes and consequences. *Minerva Pediatrica* , 69(4), 326–336. <https://doi.org/10.23736/S0026-4946.17.04914-3>

Paddock, D. L., & Bell, B. T. (2021). “It’s Better Saying I Look Fat Instead of Saying You Look Fat”: A Qualitative Study of U.K. Adolescents’ Understanding of Appearance-Related Interactions on Social Media. *Journal of Adolescent Research*, 39(2), 243-271. <https://doi.org/10.1177/07435584211034875> (Original work published 2024)

Paddock, D. L., Bell, B. T., & Cassarly, J. (2024). “OMG you look amazing”: A systematic examination of the text-based interactions surrounding UK adolescent girls’ self-images on Instagram. *Body Image* , 52, 101839. <https://doi.org/10.1016/j.bodyim.2024.101839>

Paddock, D.L., Bell, B.T., Cassarly,J. (2025). “OMG you look amazing”: A systematic examination of the text-based interactions surrounding UK adolescent girls’ self-images on Instagram, *Body Image*, Volume 52, 2025, 101839, ISSN 1740-1445, <https://doi.org/10.1016/j.bodyim.2024.101839>.

Padmanabhan, A., Geier, C. F., Ordaz, S. J., Teslovich, T., & Luna, B. (2011). Developmental changes in brain function underlying the influence of reward processing on inhibitory control. *Developmental Cognitive Neuroscience* , 1(4), 517–529. <https://doi.org/10.1016/j.dcn.2011.06.004>

Pagano, M., Bacaro, V., & Crocetti, E. (2023). “Using digital media or sleeping ... that is the question”. A meta-analysis on digital media use and unhealthy sleep in adolescence. *Computers in Human Behavior* , 146 , 107813. <https://doi.org/10.1016/j.chb.2023.107813>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Child Psychology and Psychiatry</i>	Pagliaccio, D.	Kumar, P., Kamath, R. A., Pizzagalli, D. A., & Auerbach, R. P.
2021	<i>New Media & Society</i>	Pan	Pena
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Pan	Mu, Zhao, Tang
2023	<i>Nature Mental Health</i>	Panayiotou, M.	Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N.
2023	<i>Nature Mental Health</i>	Panayiotou, M.	Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N.
2023	<i>Nature Mental Health</i>	Panayiotou	Black, Carmichael-Murphy, Qualter, & Humphrey
2018	<i>Journal of behavioral addictions</i>	Panova, T.	Carbonell, X.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural sensitivity to peer feedback and depression symptoms in adolescents: A 2-year multiwave longitudinal study.
A replication and expansion of the exposure effects of online model photos and social comparison goals on planned behaviors and self-efficacy to lose weight
Female Users' TikTok Use and Body Image: Active Versus Passive Use and Social Comparison Processes
Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis
Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis
Time spent on social media among the least influential factors in adolescent mentalhealth: preliminary results from a panel network analysis
Is smartphone addiction really an addiction?

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Pagliaccio, D., Kumar, P., Kamath, R. A., Pizzagalli, D. A., & Auerbach, R. P. (2023). Neural sensitivity to peer feedback and depression symptoms in adolescents: A 2-year multiwave longitudinal study. <i>Journal of Child Psychology and Psychiatry</i> , 64(2), 254-264.
Pan, W., & Peña, J. (2021). A replication and expansion of the exposure effects of online model photos and social comparison goals on planned behaviors and self-efficacy to lose weight. <i>New Media & Society</i> , 26(1), 91-112. https://doi.org/10.1177/14614448211055367 (Original work published 2024)
Pan, W., Mu, Z., Zhao, Z., & Tang, Z. (2022). Female Users' TikTok Use and Body Image: Active Versus Passive Use and Social Comparison Processes. <i>Cyberpsychology, Behavior, and Social Networking</i> , 26(1). https://doi.org/10.1089/cyber.2022.0169
Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N. (2023). Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis. <i>Nature Mental Health</i> , 1, 316–326. https://doi.org/10.1038/s44220-023-00063-7 .
Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P. & Humphrey, N. (2023). Time Spent On Social Media Among The Least Influential Factors In Adolescent Mental Health: Preliminary Results From A Panel Network Analysis. <i>Nature Mental Health</i> , 1, 316–326. https://doi.org/10.1038/s44220-023-00063-7 .
Panayiotou, M., Black, L., Carmichael-Murphy, P., Qualter, P., & Humphrey, N. (2023). Time spent on social media among the least influential factors in adolescent mental health: preliminary results from a panel network analysis. <i>Nature Mental Health</i> , 1(5), 316–326. https://doi.org/10.1038/s44220-023-00063-7
Panova, T., & Carbonell, X. (2018). Is smartphone addiction really an addiction?. <i>Journal of behavioral addictions</i> , 7(2), 252–259. https://doi.org/10.1556/2006.7.2018.49

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Computers in Human Behavior</i>	Panova	Lleras
2024	<i>Body Image</i>	Mancin	Ghisi, Spoto, Cerea
2023	<i>Body Image</i>	Parcell	Jeon, Rodgers
2021	<i>Nature Human Behaviour</i>	Parry, D. A.	Davidson, B. I., Sewall, C. J. R., Fisher, J. T., Mieczkowski, H., & Quintana, D. S.
2016	<i>Journal of clinical sleep medicine</i>	Paruthi, S.	Brooks, L. J., D'Ambrosio, C., Hall, W. A., Kotagal, S., Lloyd, R. M., Malow, B. A., Maski, K., Nichols, C., Quan, S. F., Rosen, C. L., Troester, M. M., & Wise, M. S.
2016	<i>Oxford University Press</i>	Passingham, R.	N/A
2007	<i>Handbook of Research Methods in Personality Psychology.</i>	Paulhus, D. L.	Vazire, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Avoidance or boredom: Negative mental health outcomes associated with use of Information and Communication Technologies depend on users' motivations
The relation between body dysmorphic disorder symptoms and photo-based behaviors: is body appreciation a protective factor?
Effects of COVID-19 specific body positive and diet culture related social media content on body image and mood among young women
A systematic review and meta-analysis of discrepancies between logged and self-reported digital media use.
Recommended Amount of Sleep for Pediatric Populations: A Consensus Statement of the American Academy of Sleep Medicine.
Cognitive neuroscience: A very short introduction
The Self-Report Method

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Panova, T., & Lleras, A. (2016). Avoidance or boredom: Negative mental health outcomes associated with use of Information and Communication Technologies depend on users' motivations. <i>Computers in Human Behavior</i> , 58 , 249–258. https://doi.org/10.1016/j.chb.2015.12.062
Paolo Mancin, Ghisi, M., Spoto, A., & Cerea, S. (2024). The relation between body dysmorphic disorder symptoms and photo-based behaviors: is body appreciation a protective factor? <i>Body Image</i> , 51 , 101764–101764. https://doi.org/10.1016/j.bodyim.2024.101764
Parcell, L., Jeon, S., Rodgers, R.F. (2023). Effects of COVID-19 specific body positive and diet culture related social media content on body image and mood among young women, <i>Body Image</i> , Volume 44, Pages 1-8, ISSN 1740-1445, https://doi.org/10.1016/j.bodyim.2022.11.002 .
Parry, D. A., Davidson, B. I., Sewall, C. J. R., Fisher, J. T., Mieczkowski, H., & Quintana, D. S. (2021). A systematic review and meta-analysis of discrepancies between logged and self-reported digital media use. <i>Nature Human Behaviour</i> , 5(11), 1535–1547. https://doi.org/10.1038/s41562-021-01117-5
Paruthi, S., Brooks, L. J., D'Ambrosio, C., Hall, W. A., Kotagal, S., Lloyd, R. M., Malow, B. A., Maski, K., Nichols, C., Quan, S. F., Rosen, C. L., Troester, M. M., & Wise, M. S. (2016). Recommended Amount of Sleep for Pediatric Populations: A Consensus Statement of the American Academy of Sleep Medicine. <i>Journal of clinical sleep medicine</i> , 12 (6), 785–786. https://doi.org/10.5664/jcsm.5866
Passingham, R. (2016). Cognitive neuroscience: A very short introduction. Oxford University Press. https://doi.org/10.1093/actrade/9780198786221.001.0001
Paulhus, D. L., & Vazire, S. (2007). The Self-Report Method. <i>In Handbook of Research Methods In Personality Psychology</i> .

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>PLOS One</i>	Paulich	Ross, Lessem, Hewitt
2019	<i>NeuroImage</i>	Paulus, M. P.	Squeglia, L. M., Bagot, K., Jacobus, J., Kuplicki, R., Breslin, F. J., Bodurka, J., Morris, A. S., Thompson, W. K., Bartsch, H., & Tapert, S. F.
2022	<i>Int J Environ Res Public Health.</i>	Pedalino F.	Camerini AL.
2019	<i>Computers in Human Behavior</i>	Peng	Wu, Chen, Atkin
2019	<i>Cognitive, Affective, and Behavioral Neuroscience</i>	Perino, M.T†.	Guassi Moreira, J†., & Telzer, E.H.
2019	<i>Social Cognitive Affective Neuroscience</i>	Perino, M.T†.	Guassi Moreira, J†., McCormick, E.M†., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Screen time and early adolescent mental health, academic, and social outcomes in 9- and 10- year old children: Utilizing the Adolescent Brain Cognitive Development SM (ABCD) Study
Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study
Instagram Use and Body Dissatisfaction: The Mediating Role of Upward Social Comparison with Peers and Influencers among Young Females.
Comparing and modeling via social media: The social influences of fitspiration on male instagram users' work out intention
Links between adolescent bullying and neural activation to viewing social exclusion
Apples to apples? Neural correlates of emotion regulation differences between high and low risk adolescents

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Paulich, K. N., Ross, J. M., Lessem, J. M., & Hewitt, J. K. (2021). Screen time and early adolescent mental health, academic, and social outcomes in 9- and 10- year old children: Utilizing the Adolescent Brain Cognitive Development SM (ABCD) Study. *PLOS ONE* , 16 (9), e0256591. <https://doi.org/10.1371/journal.pone.0256591>

Paulus, M. P., Squeglia, L. M., Bagot, K., Jacobus, J., Kuplicki, R., Breslin, F. J., Bodurka, J., Morris, A. S., Thompson, W. K., Bartsch, H., & Tapert, S. F. (2019). Screen media activity and brain structure in youth: Evidence for diverse structural correlation networks from the ABCD study. *NeuroImage* , 185, 140–153. <https://doi.org/10.1016/j.neuroimage.2018.10.040>

Pedalino, F., & Camerini, A. L. (2022). Instagram Use and Body Dissatisfaction: The Mediating Role of Upward Social Comparison with Peers and Influencers among Young Females. *International journal of environmental research and public health* , 19 (3), 1543. <https://doi.org/10.3390/ijerph19031543>

Peng, C.-T., Wu, T.-Y., Chen, Y., & Atkin, D. J. (2019). Comparing and modeling via social media: The social influences of fitspiration on male instagram users' work out intention. *Computers in Human Behavior* , 99 , 156–167. <https://doi.org/10.1016/j.chb.2019.05.011>

Perino, M.T†., Guassi Moreira, J†., & Telzer, E.H. (2019). Links between adolescent bullying and neural activation to viewing social exclusion. *Cognitive, Affective, and Behavioral Neuroscience* , 19, 1467-1478. <https://doi.org/10.3758/s13415-019-00739-7>

Perino, M.T†., Guassi Moreira, J†., McCormick, E.M†., & Telzer, E.H. (2019). Apples to apples? Neural correlates of emotion regulation differences between high and low risk adolescents. *Social Cognitive Affective Neuroscience* , 14, 827-836. <https://doi.org/10.1093/scan/nsz063>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Social Cognitive Affective Neuroscience</i>	Perino, M.T†.	Miernicki, M.E†. & Telzer, E.H.
2019	<i>Sleep</i>	Perrault, A. A.	Bayer, L., Peuvrier, M., Afyouni, A., Ghisletta, P., Brockmann, C., Spiridon, M., Hulo Vesely, S., Haller, D. M., Pichon, S., Perrig, S., Schwartz, S., & Sterpenich, V.
2006	<i>Addiction</i>	Petry N. M.	N/A
2005	<i>The Journal of clinical psychiatry</i>	Petry, N. M.	Stinson, F. S., Grant, B. F.
2018	<i>Annual review of clinical psychology</i>	Petry, N. M.	Zajac, K., Ginley, M. K.
1984	<i>Psychopharmacology</i>	Pettit, H. O.	Ettenberg, A., Bloom, F. E., & Koob, G. F.
2018	<i>Child Dev Perspect</i>	Pfeifer, J.H.	Berkman, E.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Letting the good times roll: Adolescence as a period of reduced inhibition to appetitive social cues
Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents
Should the scope of addictive behaviors be broadened to include pathological gambling?
Comorbidity of DSM-IV pathological gambling and other psychiatric disorders: results from the National Epidemiologic Survey on Alcohol and Related Conditions
Behavioral Addictions as Mental Disorders: To Be or Not To Be?
Destruction of dopamine in the nucleus accumbens selectively attenuates cocaine but not heroin self-administration in rats
The Development of Self and Identity in Adolescence: Neural Evidence and Implications for a Value-Based Choice Perspective on Motivated Behavior

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Perino, M.T†., Miernicki, M.E†. & Telzer, E.H. (2016). Letting the good times roll: Adolescence as a period of reduced inhibition to appetitive social cues. *Social Cognitive Affective Neuroscience* , 11, 1762-1771. <https://doi.org/10.1093/scan/nsw096>

Perrault, A. A., Bayer, L., Peuvrier, M., Afyouni, A., Ghisletta, P., Brockmann, C., Spiridon, M., Hulo Vesely, S., Haller, D. M., Pichon, S., Perrig, S., Schwartz, S., & Sterpenich, V. (2019). Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents. *Sleep* , 42(9). <https://doi.org/10.1093/sleep/zsz125>

Petry N. M. (2006). Should the scope of addictive behaviors be broadened to include pathological gambling?. *Addiction* (Abingdon, England), 101 Suppl 1, 152–160. <https://doi.org/10.1111/j.1360-0443.2006.01593.x>

Petry, N. M., Stinson, F. S., & Grant, B. F. (2005). Comorbidity of DSM-IV pathological gambling and other psychiatric disorders: results from the National Epidemiologic Survey on Alcohol and Related Conditions. *The Journal of clinical psychiatry* , 66(5), 564–574. <https://doi.org/10.4088/jcp.v66n0504>

Petry, N. M., Zajac, K., & Ginley, M. K. (2018). Behavioral Addictions as Mental Disorders: To Be or Not To Be?. *Annual review of clinical psychology* , 14, 399–423. <https://doi.org/10.1146/annurev-clinpsy-032816-045120>

Pettit, H. O., Ettenberg, A., Bloom, F. E., & Koob, G. F. (1984). Destruction of dopamine in the nucleus accumbens selectively attenuates cocaine but not heroin self-administration in rats. *Psychopharmacology* , 84(2), 167–173. <https://doi.org/10.1007/BF00427441>

Pfeifer JH, Berkman E (2018). The Development of Self and Identity in Adolescence: Neural Evidence and Implications for a Value-Based Choice Perspective on Motivated Behavior. *Child Dev Perspect* . 2018 Sep;12(3):158-164. doi: 10.1111/cdep.12279. Epub 2018 Feb 8.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2005	<i>Psychology Press</i>	Pickett, C. L.	Gardner, W. L.
2021	<i>Piper, Sandler.</i>	Piper, Sandler.	N/A
2022	<i>Journal of Medical Internet Research</i>	Plackett	Sheringham, & Dykxhoorn
2011	<i>Neuron</i>	Poldrack, R. A.	N/A
2017	<i>Nature reviews Neuroscience</i>	Poldrack, R. A.	Baker, C. I., Durnez, J., Gorgolewski, K. J., Matthews, P. M., Munafò, M. R., Nichols, T. E., Poline, J. B., Vul, E., & Yarkoni, T.
2020	<i>Body Image</i>	Politte-Corn	Fardouly
2024	<i>Research on Child and Adolescent Psychopathology</i>	Politte-Corn	Dickey, Abitante, Pegg, Bean, & Kujawa

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Social Monitoring System: Enhanced Sensitivity to Social Cues as an Adaptive Response to Social Exclusion
Taking Stock With Teens: 21 Years Of Researching U.S. Teens GenZ Insights.
The Longitudinal Impact of Social Media Use on UK Adolescents' Mental Health: Longitudinal Observational Study
Inferring Mental States from Neuroimaging Data: From Reverse Inference to Large-Scale Decoding.
Scanning the horizon: towards transparent and reproducible neuroimaging research
#nomakeupsselfie: The impact of natural no-makeup images andpositive appearance comments on young women’s body image
Social Media Use as a Predictor of Positive and Negative Affect: An Ecological Momentary Assessment Study of Adolescents with and without clinical depression

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Pickett, C. L., & Gardner, W. L. (2005). The Social Monitoring System: Enhanced Sensitivity to Social Cues as an Adaptive Response to Social Exclusion. In K. D. Williams, J. P. Forgas, & W. von Hippel (Eds.), <i>The social outcast: Ostracism, social exclusion, rejection, and bullying</i> . (pp. 213–226). Psychology Press.
Piper, Sandler. (2021). Taking Stock With Teens: 21 Years Of Researching U.S. Teens GenZ Insights. Piper, Sandler.
Plackett, R., Sheringham, J., & Dykxhoorn, J. (2022). The longitudinal impact of social media use on UK adolescent mental health: A Longitudinal Observational Study. <i>Journal of Medical Internet Research</i> , 25 . https://doi.org/10.2196/43213
Poldrack, R. A. (2011). Inferring Mental States from Neuroimaging Data: From Reverse Inference to Large-Scale Decoding. <i>Neuron</i> , 72(5), 692–697. https://doi.org/10.1016/j.neuron.2011.11.001
Poldrack, R. A., Baker, C. I., Durnez, J., Gorgolewski, K. J., Matthews, P. M., Munafò, M. R., Nichols, T. E., Poline, J. B., Vul, E., & Yarkoni, T. (2017). Scanning the horizon: towards transparent and reproducible neuroimaging research. <i>Nature reviews Neuroscience</i> , 18(2), 115–126. https://doi.org/10.1038/nrn.2016.167
Politte-Corn, M., & Fardouly, J. (2020). #nomakeupselfie: The impact of natural no-makeup images and positive appearance comments on young women’s body image. <i>Body Image</i> , 34 , 233–241. https://doi.org/10.1016/j.bodyim.2020.07.001
Politte-Corn, M., Dickey, L., Abitante, G., Pegg, S., Christian, & Kujawa, A. (2024). Social Media Use as a Predictor of Positive and Negative Affect: An Ecological Momentary Assessment Study of Adolescents with and without Clinical Depression. <i>Research on Child and Adolescent Psychopathology</i> . https://doi.org/10.1007/s10802-024-01177-x

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Child and Adolescent Mental Health</i>	Politte-Corn	Nick, & Kujawa
2023	<i>Biological Psychiatry</i>	Pollak, O.H†.	Kwon, S†., Jorgensen, N.A†., Lindquist, K.A., Telzer, E.H., & Prinstein, M.J.
2020	<i>Mindfulness</i>	Poon	Jiang
2016	<i>Journal of International Development</i>	Porter, G.	Hampshire, K., Milner, J., Munthali, A., Robson, E., de Lannoy, A., Bango, A., Gunguluza, N., Mashiri, M., Tanle, A., & Abane, A.
2000	<i>Psychological Bulletin</i>	Posner, M. I.	DiGirolamo, G. J.
2009	<i>Indian Academy of Sciences</i>	Posner, M.	Rao, S.
2014	<i>Trends in Cognitive Sciences</i>	Potenza, M. N.	N/A
2019	<i>Nature Reviews Disease Primers</i>	Potenza, M. N.	Balodis, I. M., Derevensky, J., Grant, J. E., Petry, N. M., Verdejo-Garcia, A., & Yip, S. W.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Age-related differences in social media use, online social support, and depressive symptoms in adolescents and emerging adults
Neural reactivity to social punishment predicts future engagement in nonsuicidal self-injury among peer-rejected adolescents
Getting Less Likes on Social Media: Mindfulness Ameliorates the Detrimental Effects of Feeling Left Out Online
Mobile Phones and Education in Sub-Saharan Africa: From Youth Practice to Public Policy
Cognitive neuroscience:origins and promise
Cognitive neuroscience: Development and prospects
The neural bases of cognitive processes in gambling disorder.
Gambling disorder

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Politte-Corn, M., Nick, E. A., & Kujawa, A. (2023). Age-related differences in social media use, online social support, and depressive symptoms in adolescents and emerging adults. <i>Child and Adolescent Mental Health</i> , 28 (4). https://doi.org/10.1111/camh.12640</p>
<p>Pollak, O.H†., Kwon, S†., Jorgensen, N.A†., Lindquist, K.A., Telzer, E.H., & Prinstein, M.J. (2023). Neural reactivity to social punishment predicts future engagement in nonsuicidal self-injury among peer-rejected adolescents. <i>Biological Psychiatry</i> , 94, 40-49. https://doi.org/10.1016/j.biopsych.2022.09.030</p>
<p>Poon, K.-T., & Jiang, Y. (2020). Getting Less Likes on Social Media: Mindfulness Ameliorates the Detrimental Effects of Feeling Left Out Online. <i>Mindfulness</i> , 11 (4), 1038–1048. https://doi.org/10.1007/s12671-020-01313-w</p>
<p>Porter, G., Hampshire, K., Milner, J., Munthali, A., Robson, E., de Lannoy, A., Bango, A., Gunguluza, N., Mashiri, M., Tanle, A., & Abane, A. (2016). Mobile Phones and Education in Sub-Saharan Africa: From Youth Practice to Public Policy. <i>Journal of International Development</i>, 28(1), 22–39. https://doi.org/10.1002/jid.3116</p>
<p>Posner, M. I., & DiGirolamo, G. J. (2000). Cognitive neuroscience: origins and promise. <i>Psychological Bulletin</i>, 126(6), 873–889. https://doi.org/10.1037/0033-2909.126.6.873</p>
<p>Posner, M., & Rao, S. (2009). Cognitive neuroscience: Development and prospects. <i>Indian Academy of Sciences</i> .</p>
<p>Potenza, M. N. (2014). The neural bases of cognitive processes in gambling disorder. <i>Trends in Cognitive Sciences</i>, 18(8), 429–438. https://doi.org/10.1016/j.tics.2014.03.007</p>
<p>Potenza, M. N., Balodis, I. M., Derevensky, J., Grant, J. E., Petry, N. M., Verdejo-Garcia, A., & Yip, S. W. (2019). Gambling disorder. <i>Nature Reviews Disease Primers</i>, 5(1), 1–21. https://doi.org/10.1038/s41572-019-0099-7</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2003	<i>The American journal of psychiatry</i>	Potenza, M. N.	Leung, H. C., Blumberg, H. P., Peterson, B. S., Fulbright, R. K., Lacadie, C. M., Skudlarski, P., & Gore, J. C.
2024	<i>Child Development</i>	Pouwels	Beyens, Keijers, & Valkenburg
2021	<i>Developmental Psychology</i>	Pouwels	Valkenburg, Beyens, van Driel, & Keijsers
2021	<i>Scientific Reports</i>	Pouwels	Valkenburg, Beyens, van Driel, & Keijsers
2020	<i>Body Image</i>	Prichard	Kavanagh, Mulgrew, Lim, Tiggemann
2018	<i>Sex Roles</i>	Prichard	McLachlan, Lavis, Tiggemann
2021	<i>Body Image</i>	Prichard	O'Toole, Wu, Harford, & Tiggemann

Ex. B: Materials Considered List

Literature Review - Article NameTitle
An FMRI Stroop task study of ventromedial prefrontal cortical function in pathological gamblers
Changing or stable? The effects of adolescents' social media use on psychosocial functioning
Social Media Use and Friendship Closeness in Adolescents' Daily Lives: An Experience Sampling Study
Some socially poor but also some socially rich adolescents feel closer to their friends after using social media
The effect of Instagram #fitspiration images on young women's mood,body image, and exercise behavior
The Impact of Different Forms of #fitspiration Imagery on Body Image, Mood, and Self-Objectification among Young Women
No likes, no problem? Users' reactions to the removal of Instagramnumber of likes on other people's posts and links to body image

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Potenza, M. N., Leung, H. C., Blumberg, H. P., Peterson, B. S., Fulbright, R. K., Lacadie, C. M., Skudlarski, P., & Gore, J. C. (2003). An fMRI Stroop task study of ventromedial prefrontal cortical function in pathological gamblers. <i>The American journal of psychiatry</i>, 160(11), 1990–1994. https://doi.org/10.1176/appi.ajp.160.11.1990</p>
<p>Pouwels, J. L., Beyens, I., Keijsers, L., & Valkenburg, P. M. (2024). Changing or stable? The effects of adolescents’ social media use on psychosocial functioning. <i>Child Development</i>. https://doi.org/10.1111/cdev.14207</p>
<p>Pouwels, J. L., Valkenburg, P. M., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Social media use and friendship closeness in adolescents’ daily lives: An experience sampling study. <i>Developmental Psychology</i>, 57(2), 309–323. https://doi.org/10.1037/dev0001148</p>
<p>Pouwels, J. L., Valkenburg, P. M., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Some socially poor but also some socially rich adolescents feel closer to their friends after using social media. <i>Scientific Reports</i>, 11(1). https://doi.org/10.1038/s41598-021-99034-0</p>
<p>Prichard, I., Kavanagh, E., Mulgrew, K. E., Lim, M. S. C., & Tiggemann, M. (2020). The Effect of Instagram #fitspiration Images on Young Women’s mood, Body image, and Exercise Behaviour. <i>Body Image</i>, 33(1), 1–6. https://doi.org/10.1016/j.bodyim.2020.02.002</p>
<p>Prichard, I., McLachlan, A.C., Lavis, T. <i>et al.</i> (2018). The Impact of Different Forms of #fitspiration Imagery on Body Image, Mood, and Self-Objectification among Young Women. <i>Sex Roles</i> 78, 789–798. https://doi.org/10.1007/s11199-017-0830-3</p>
<p>Prichard, I., O’Toole, S., Wu, Y., Harford, J., & Tiggemann, M. (2021). No likes, no problem? Users’ reactions to the removal of Instagram number of likes on other people’s posts and links to body image. <i>Body Image</i>, 38, 72–79. https://doi.org/10.1016/j.bodyim.2021.03.007</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Body Image</i>	Prichard	Taylor, Tiggemann
1989	<i>Dev Psychobiol</i>	Primus, R.J.	Kellogg, C.K.
2020	<i>Journal of Child Psychology and Psychiatry</i>	Prinstein, M.J.	Prinstein, M.J., Nesi, J., & Telzer, E.H.
2022	<i>Italian Journal of Pediatrics</i>	Pruccoli	De Rosa, Chiasso, Perrone, Parmeggiani
2022	<i>Body Image</i>	Pryde	Prichard
2013	<i>Computers in Human Behavior</i>	Przybylski, A. K.	Murayama, K., DeHaan, C. R., & Gladwell, V.
2020	<i>International Journal of Environmnetal Research and Public Health</i>	Puuko	Hietajarvi, Maksniemi, Alho, Salmela-Aro

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Comparing and self-objectifying: The effect of sexualized imagery posted by Instagram Influencers on women’s body image
Pubertal-related changes influence the development of environment-related social interaction in the male rat
Commentary: An updated agenda for the study of digital media use and adolescent development – future directions following Odgers & Jensen (2020)
The use of TikTok among children and adolescents with Eating Disorders: experience in a third-level public Italian center during the SARS-CoV-2 pandemic
TikTok on the clock but the #fitspo don’t stop: The impact of TikTok fitspiration videos on women’s body image concerns
Motivational, emotional, and behavioral correlates of fear of missing out.
Social Media Use and Depressive Symptoms—A Longitudinal Study from Early to Late Adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Prichard, I., Taylor, B., & Tiggemann, M. (2023). Comparing and self-objectifying: The effect of sexualized imagery posted by Instagram Influencers on women's body image. *Body Image*, 46 (1740-1445), 347–355.
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Pryde, S., & Prichard, I. (2022). TikTok on the clock but the #fitspo don't stop: The impact of TikTok fitspiration videos on women's body image concerns. *Body Image*, 43 (43), 244–252.
<https://doi.org/10.1016/j.bodyim.2022.09.004>

Przybylski, A. K., Murayama, K., DeHaan, C. R., & Gladwell, V. (2013). Motivational, emotional, and behavioral correlates of fear of missing out. *Computers in Human Behavior*, 29(4), 1841–1848.
<https://doi.org/10.1016/j.chb.2013.02.014>

Puukko, K., Hietajärvi, L., Maksniemi, E., Alho, K., & Salmela-Aro, K. (2020). Social Media Use and Depressive Symptoms—A Longitudinal Study from Early to Late Adolescence. *International Journal of Environmental Research and Public Health*, 17 (16), 5921. <https://www.mdpi.com/1660-4601/17/16/5921>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Environmental Research and Public Health</i>	Qin, Y.	Musetti A., Omar, B.
2023	<i>Journal of Affective Disorders</i>	Qu, D.	Zhang, X., Wang, J., Liu, B., Wen, X., Feng, Y., & Chen, R.
2021	<i>Perspectives on Psychological Science</i>	Qu, Y.	Jorgensen, N. A., & Telzer, E. H.
2021	<i>Perspectives on Psychological Science</i>	Qu, Y.	Jorgensen, N.A†., & Telzer, E.H.
2020	<i>Journal of Youth and Adolescence</i>	Qu, Y.	Yang, B., & Telzer, E.H.
2017	<i>Cultural Diversity and Ethnic Minority Psychology</i>	Qu, Y†.	Telzer, E.H.
2018	<i>Wiley Press</i>	Qu, Y†.	Telzer, E.H.
2015	<i>Developmental Cognitive Neuroscience</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Flow Experience Is a Key Factor in the Likelihood of Adolescents' Problematic TikTok Use: The Moderating Role of Active Parental Mediation
New form of addiction: An emerging hazardous addiction problem of milk tea among youths
A call for greater attention to culture in the study of brain and development
A call for greater attention to culture in the study of brain and development
The cost of academic focus: Daily school problems and biopsychological adjustment in Chinese American families
Cultural differences in beliefs, practices, and neural mechanisms of emotion regulation
Developmental cultural neuroscience (pgs. 3-30). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). The Handbook of Culture and Biology
Buffering effect of positive parent-child relationships on adolescent risk taking: A longitudinal neuroimaging investigation

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Qin, Y., Musetti, A., & Omar, B. (2023). Flow Experience Is a Key Factor in the Likelihood of Adolescents' Problematic TikTok Use: The Moderating Role of Active Parental Mediation. <i>International Journal of Environmental Research and Public Health</i> , 20 (3), 2089. https://doi.org/10.3390/ijerph20032089</p>
<p>Qu, D., Zhang, X., Wang, J., Liu, B., Wen, X., Feng, Y., & Chen, R. (2023). New form of addiction: An emerging hazardous addiction problem of milk tea among youths. <i>Journal of Affective Disorders</i> , 341, 26–34. https://doi.org/10.1016/j.jad.2023.08.102</p>
<p>Qu, Y., Jorgensen, N. A., & Telzer, E. H. (2021). A call for greater attention to culture in the study of brain and development. <i>Perspectives on Psychological Science</i> , 16(2), 275–293. https://doi.org/10.1177/1745691620931461</p>
<p>Qu, Y., Jorgensen, N.A†., & Telzer, E.H. (2021). A call for greater attention to culture in the study of brain and development. <i>Perspectives on Psychological Science</i> , 16, 275-293. https://doi.org/10.1177/1745691620931461</p>
<p>Qu, Y., Yang, B., & Telzer, E.H. (2020). The cost of academic focus: Daily school problems and biopsychological adjustment in Chinese American families. <i>Journal of Youth and Adolescence</i> , 49, 1631-1644. https://doi.org/10.1007/s10964-020-01255-5</p>
<p>Qu, Y†. & Telzer, E.H. (2017). Cultural differences in beliefs, practices, and neural mechanisms of emotion regulation. <i>Cultural Diversity and Ethnic Minority Psychology</i> , 23, 36-44. https://doi.org/10.1037/cdp0000112</p>
<p>Qu, Y†. & Telzer, E.H. (2018). Developmental cultural neuroscience (pgs. 3-30). In J.M. Causadias, E.H., Telzer, & N.A. Gonzales (Eds). <i>The Handbook of Culture and Biology</i>. Wiley Press. https://doi.org/10.1002/9781119181361</p>
<p>Qu, Y†., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2015). Buffering effect of positive parent-child relationships on adolescent risk taking: A longitudinal neuroimaging investigation. <i>Developmental Cognitive Neuroscience</i> ,15, 26-34. https://doi.org/10.1016/j.dcn.2015.08.005</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>The Russel Sage Foundation Journal of the Social Sciences</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., & Telzer, E.H.
2016	<i>Social Cognitive Affective Neuroscience</i>	Qu, Y†.	Fuligni, A.J., Gálvan, A., Lieberman, M.D., & Telzer, E.H.
2015	<i>Journal of Neuroscience</i>	Qu, Y†.	Galvan, A., Fuligni, A.J., Lieberman, M.D., & Telzer, E.H.
2019	<i>Frontiers in Human Neuroscience</i>	Qu, Y†.	Lin, L.C†., & Telzer, E.H.
2018	<i>Child Development</i>	Qu, Y†.	Pomerantz, E.M., McCormick, E.M†., & Telzer, E.H.
2018	<i>The Journal of the American Medical Association</i>	Ra, C. K.	Cho, J., Stone, M. D., De La Cerda, J., Goldenson, N. I., Moroney, E., Tung, I., Lee, S.
2017	<i>Journal of Adolescence</i>	Radovic	Gmelin, Stein, & Miller

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A biopsychosocial approach to examine Mexican-American adolescents' academic achievement and substance use
Links between parental depression and longitudinal changes in youths' neural sensitivity to rewards
Longitudinal changes in prefrontal cortex activation underlie declines in adolescent risk taking
Culture modulates the neural correlates underlying risky exploration
Youth's conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking
Association of Digital Media Use With Subsequent Symptoms of Attention-Deficit/Hyperactivity Disorder Among
Depressed adolescents' positive and negative use of social media

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Qu, Y†., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2018). A biopsychosocial approach to examine Mexican-American adolescents’ academic achievement and substance use. <i>The Russell Sage Foundation Journal of the Social Sciences</i> , 4 84-97. https://doi.org/10.7758/RSF.2018.4.4.05. Special Issue on Biosocial Pathways of Well-Being across the Life Course.</p>
<p>Qu, Y†., Fuligni, A.J., Gálvan, A., Lieberman, M.D., & Telzer, E.H. (2016). Links between parental depression and longitudinal changes in youths’ neural sensitivity to rewards. <i>Social Cognitive Affective Neuroscience</i> , 11, 1262-1271. https://doi.org/10.1093/scan/nsw035</p>
<p>Qu, Y†., Galvan, A., Fuligni, A.J., Lieberman, M.D., & Telzer, E.H. (2015). Longitudinal changes in prefrontal cortex activation underlie declines in adolescent risk taking. <i>Journal of Neuroscience</i> , 35(32), 11308-11314. https://doi.org/10.1523/JNEUROSCI.1553-15.2015</p>
<p>Qu, Y†., Lin, L.C†., & Telzer, E.H. (2019). Culture modulates the neural correlates underlying risky exploration. <i>Frontiers in Human Neuroscience</i> , 13, 1-12. https://doi.org/10.3389/fnhum.2019.00171. Special issue on The Neuroscience of Cultural Learning: From Acculturation to Radicalization</p>
<p>Qu, Y†., Pomerantz, E.M., McCormick, E.M†., & Telzer, E.H. (2018). Youth’s conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking. <i>Child Development</i> , 89, 773-783. https://doi.org/10.1111/cdev.13017. Special issue on Inflection Points in Brain Development: Evidence for Plasticity during Childhood and Adolescence.</p>
<p>Ra, C. K., Cho, J., Stone, M. D., De La Cerda, J., Goldenson, N. I., Moroney, E., Tung, I., Lee, S. S., & Leventhal, A. M. (2018). Association of Digital Media Use With Subsequent Symptoms of</p>
<p>Radovic, A., Gmelin, T., Stein, B. D., & Miller, E. (2017). Depressed adolescents’ positive and negative use of social media. <i>Journal of Adolescence</i> , 55 (55), 5–15. https://doi.org/10.1016/j.adolescence.2016.12.002</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Frontiers in Psychology</i>	Rae	Lonborg
2023	<i>PLoS One.</i>	Raffoul A.	Ward ZJ, Santoso M, Kavanaugh JR, Austin SB.
2016	<i>Journal of the Canadian Academy of Child and Adolescent Psychiatry</i>	Ragelienė, T.	N/A
2022	<i>Cambridge Quarterly of Healthcare Ethics</i>	Raheemullah, A.	N/A
2023	<i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i>	Rakesh, D.	Zalesky, A., Whittle, S.
2024	<i>Narra J</i>	Ramadhan	Rampengan, D. D., Yumnaniha, D. A., Setiono, S. B., Tjandra, K. C., Ariyanto, M. V., Idrisov, B., Empitu, M. A.
2024	<i>International Journal of Mental Health and Addiction</i>	Ramsden, E.	Talbot, C. V.
2004	<i>Journal of Research on Adolescence</i>	Rankin, J. L.	Lane, D. J., Gibbons, F. X., Gerrard, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Do motivations for using Facebook moderate the association between Facebook use and psychological well-being?
Social media platforms generate billions of dollars in revenue from U.S. youth: Findings from a simulated revenue model.
Links of adolescents identity development and relationship with peers: A systematic literature review
Dopamine Nation: Finding Balance in the Age of Indulgence by Anna Lembke, New York: Dutton, 2021.
The role of school environment in brain structure, connectivity, and mental health in children: A multimodal investigation
Impacts of digital social media detox for mental health a systematic review
The role of tiktok in students' health and wellbeing
Adolescent Self-Consciousness: Longitudinal Age Changes and Gender Differences in Two Cohorts

Literature Review - APA Publication Cite

Rae, J. R., & Lonborg, S. D. (2015). Do motivations for using Facebook moderate the association between Facebook use and psychological well-being? *Frontiers in Psychology* , 6 .
<https://doi.org/10.3389/fpsyg.2015.00771>

Raffoul A, Ward ZJ, Santoso M, Kavanaugh JR, Austin SB. (2023). Social media platforms generate billions of dollars in revenue from U.S. youth: Findings from a simulated revenue model. *PLoS One*, 18(12):e0295337.

Ragelienė, T. (2016). Links of adolescents identity development and relationship with peers: A systematic literature review. *Journal of the Canadian Academy of Child and Adolescent Psychiatry*, 25(2), 97.

Raheemullah, A. (2022). Dopamine Nation: Finding Balance in the Age of Indulgence by Anna Lembke, New York: Dutton, 2021. *Cambridge Quarterly of Healthcare Ethics*, 31(4), 573–574.
<https://doi.org/10.1017/S0963180122000032>

Rakesh, D., Zalesky, A., & Whittle, S. (2023). The role of school environment in brain structure, connectivity, and mental health in children: A multimodal investigation. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* , 8 (1), 32-41.

Ramadhan, R. N., Rampengan, D. D., Yumnanisha, D. A., Setiono, S. B., Tjandra, K. C., Ariyanto, M. V., Idrisov, B., & Empitu, M. A. (2024). Impacts of digital social media detox for mental health: A systematic review and meta-analysis. *Narra J*, 4 (2), e786. <https://doi.org/10.52225/narra.v4i2.786>

Ramsden, E., & Talbot, C. V. (2024). The role of tiktok in students' health and wellbeing. *International Journal of Mental Health and Addiction*. <https://doi.org/10.1007/s11469-023-01224-6>

Rankin, J. L., Lane, D. J., Gibbons, F. X., & Gerrard, M. (2004). Adolescent Self-Consciousness: Longitudinal Age Changes and Gender Differences in Two Cohorts. *Journal of Research on Adolescence* , 14(1), 1-21.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Journal of Adolescence</i>	Raudsepp	N/A
2019	<i>Preventative Medicine Reports</i>	Raudseppa	Kais
2021	<i>Child Development</i>	Raufelder, D.	Neumann, N., Domin, M., Lorenz, R. C., Gleich, T., Golde, S., ... & Hoferichter, F.
2020	<i>Journal of Family Studies</i>	Ravindran, N†.	Hu, Y., McElwain, N.L. & Telzer, E.H.
2022	<i>Child and Adolescent Mental Health</i>	Reardon	Lushington, Agostini
2023	<i>Journal of Technology in Behavioral Science</i>	Reed, P.	Fowkes, T., & Khela, M.
2018	<i>Computers in Human B</i>	Reich	Schneider, Heling
2023	<i>Behaviour & Information Technology</i>	Reich	Schneider, Zwillich

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Brief report: Problematic social media use and sleep disturbances are longitudinally associated with depressive symptoms in adolescents.
Longitudinal associations between problematic social media use and depressive symptoms in adolescent girls
Do belonging and social exclusion at school affect structural brain development during adolescence?
Dynamics of mother-adolescent and father-adolescent autonomy and control during a conflict discussion task
Adolescent sleep, distress, and technology use: weekday versus weekend
Reduction in Social Media Usage Produces Improvements in Physical Health and Wellbeing: an RCT
Zero Likes e Symbolic interactions and need satisfaction online
No Likes – no control? Examining the role of coping deprivation and social anxiety in social media ostracism

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Raudsepp, L. (2019). Brief report: Problematic social media use and sleep disturbances are longitudinally associated with depressive symptoms in adolescents. <i>Journal of Adolescence</i> , 76 (0140-1971), 197–201. https://doi.org/10.1016/j.adolescence.2019.09.005</p>
<p>Raudsepp, L., & Kais, K. (2019). Longitudinal associations between problematic social media use and depressive symptoms in adolescent girls. <i>Preventive Medicine Reports</i> , 15 (15), 100925. https://doi.org/10.1016/j.pmedr.2019.100925</p>
<p>Raufelder, D., Neumann, N., Domin, M., Lorenz, R. C., Gleich, T., Golde, S., ... & Hoferichter, F. (2021). Do belonging and social exclusion at school affect structural brain development during adolescence?. <i>Child Development</i> , 92 (6), 2213-2223.</p>
<p>Ravindran, N†., Hu, Y., McElwain, N.L. & Telzer, E.H. (2020). Dynamics of mother-adolescent and father-adolescent autonomy and control during a conflict discussion task. <i>Journal of Family Studies</i> , 34(3), 312–321. https://doi.org/10.1037/fam0000588</p>
<p>Reardon, A., Lushington, K., & Agostini, A. (2022). Adolescent sleep, distress, and technology use: weekday versus weekend. <i>Child and Adolescent Mental Health</i> , 28 (1). https://doi.org/10.1111/camh.12616</p>
<p>Reed, P., Fowkes, T., & Khela, M. (2023). Reduction in Social Media Usage Produces Improvements in Physical Health and Wellbeing: an RCT. <i>Journal of Technology in Behavioral Science</i> , 8 , 140–147. https://doi.org/10.1007/s41347-023-00304-7</p>
<p>Reich, S., Schneider, F. M., & Heling, L. (2018). Zero Likes – Symbolic interactions and need satisfaction online. <i>Computers in Human Behavior</i> , 80 , 97–102. https://doi.org/10.1016/j.chb.2017.10.043</p>
<p>Reich, S., Schneider, F. M., & Zwillich, B. (2023). No Likes – no control? Examining the role of coping deprivation and social anxiety in social media ostracism. <i>Behaviour & Information Technology</i> , 43 (2), 284–297. https://doi.org/10.1080/0144929X.2022.2161938</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Adolescent Health</i>	Reichenberger	Master, Mathew, Snyder, Buxton, Hale, Chang
2016	<i>Pediatrics</i>	Reid Chassiakos, Y. L.	Radesky, J., Christakis, D., Moreno, M. A., Cross, C., & COUNCIL ON COMMUNICATIONS AND MEDIA
2018	<i>Plos One</i>	Reinecke, L.	Klimmt, C., Meier, A., Reich, S., Hefner, D., Knop-Huelss, K., Rieger, D., & Vorderer, P.
2018	<i>Computers in Human Behavior</i>	Reissmann	Hauser, Stollberg, Kaunzinger, & Lange
2002	<i>Psychological Bulletin</i>	Repetti, R.L.	Taylor, S.E., Seeman, T.E.
2021	<i>Frontiers in Neural Circuits</i>	Reynolds, L. M.	Flores, C.
2024	<i>Social Media & Society</i>	Riccio	Colin, Ogolla, & Oliver
2024	<i>Springer Nature Switzerland</i>	Rich, G. J.	Kumar, V. K., & Farley, F. H. (Eds.).

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Interactive Screen-Based Activities Predict Worse Actigraphic Sleep Health That Night Among Adolescents
Children and Adolescents and Digital Media
Permanently online and permanently connected: Development and validation of the Online Vigilance Scale
The role of loneliness in emerging adults' everyday use of facebook– An experience sampling approach
Risky Families: Family Social Environments and the Mental and Physical Health of Offspring.
Mesocorticolimbic Dopamine Pathways Across Adolescence: Diversity in Development.
Mirror, Mirror on the Wall, Who Is the Whitest of All? Racial Biases in Social Media Beauty Filters
Handbook of Media Psychology: The Science and the Practice

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Reichenberger, D., Master, L., Mathew, G.M., Snyder, C. K., Buxton, O. M., Hale, L., & Chang, A-M. (2023). Interactive Screen-Based Activities Predict Worse Actigraphic Sleep Health That Night Among Adolescents. <i>Journal of Adolescent Health</i> , 74 (4). https://doi.org/10.1016/j.jadohealth.2023.10.027</p>
<p>Reid Chassiakos, Y. L., Radesky, J., Christakis, D., Moreno, M. A., Cross, C., & COUNCIL ON COMMUNICATIONS AND MEDIA (2016). Children and Adolescents and Digital Media. <i>Pediatrics</i> , 138(5), e20162593. https://doi.org/10.1542/peds.2016-2593</p>
<p>Reinecke, L., Klimmt, C., Meier, A., Reich, S., Hefner, D., Knop-Huelss, K., Rieger, D., & Vorderer, P. (2018). Permanently online and permanently connected: Development and validation of the Online Vigilance Scale. <i>Plos One</i> , 13(10), e0205384. https://doi.org/10.1371/journal.pone.0205384</p>
<p>Reissmann, A., Hauser, J., Stollberg, E., Kaunzinger, I., & Lange, K. W. (2018). The role of loneliness in emerging adults’ everyday use of facebook – An experience sampling approach. <i>Computers in Human Behavior</i> , 88 , 47–60. https://doi.org/10.1016/j.chb.2018.06.011</p>
<p>Repetti, R.L., Taylor, S.E., Seeman, T.E. (2002). Risky Families: Family Social Environments and the Mental and Physical Health of Offspring. <i>Psychological Bulletin</i> , 128(2), 330-66. PMID: 11931522. https://pubmed.ncbi.nlm.nih.gov/11931522/;</p>
<p>Reynolds, L. M., & Flores, C. (2021). Mesocorticolimbic Dopamine Pathways Across Adolescence: Diversity in Development. <i>Frontiers in Neural Circuits</i>, 15, 735625. https://doi.org/10.3389/fncir.2021.735625</p>
<p>Riccio, P., Colin, J., Ogolla, S., & Oliver, N. (2024). Mirror, Mirror on the Wall, Who Is the Whitest of All? Racial Biases in Social Media Beauty Filters. <i>Social Media + Society</i>, 10(2). https://doi.org/10.1177/20563051241239295</p>
<p>Rich, G. J., Kumar, V. K., & Farley, F. H. (Eds.). (2024). <i>Handbook of Media Psychology: The Science and the Practice</i>. Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-56537-3</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2025	<i>SSM - Mental Health</i>	Richards, J	Niitus, K.; Kenworthy, N.
2019	<i>JAMA Psychiatry</i>	Riehm, K. E.	Feder, K. A. & Tormohlen, K. N.
2019	<i>JAMA Psychiatry</i>	Riehm	Feder, Tormohlen, Crum, Young, Green, Pacek, LaFlair, & Mojtabai
2019	<i>JAMA Psychiatry</i>	Riehm	Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., Mojtabai, R.
2019	<i>JAMA Psychiatry.</i>	Riehm, K. E.	Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R.
2022	<i>Journal of Affective Disorders</i>	Robertson	Twenge, Joiner, Cummins

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Mental Health v. Social Media: How US pretrial filings against social media platforms frame and leverage evidence for claims of youth mental health harms
Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth
Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth
Associations Between Time Spent Using Social Media
Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth.
Associations between screen time and internalizing disorder diagnoses among 9- to 10-year-olds

Literature Review - APA Publication Cite

Richards, J., Niitsu, K., Kenworthy, N. (2025) Mental Health v. Social Media: How US pretrial filings against social media platforms frame and leverage evidence for claims of youth mental health harms, *SSM - Mental Health*, Volume 7, 2025, 100378, ISSN 2666-5603, <https://doi.org/10.1016/j.ssmmh.2024.100378>.

Riehm, K. E., Feder, K. A., & Tormohlen, K. N. (2019). Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth. *JAMA Psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Riehm, K. E., Feder, K. A., & Tormohlen, K. N. et al. (2019). Associations between Time Spent Using Social Media and Internalizing and Externalizing Problems among US Youth. *JAMA Psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Riehm, K. E., Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R. (2019). Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth. *JAMA psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Riehm, K. E., Feder, K. A., Tormohlen, K. N., Crum, R. M., Young, A. S., Green, K. M., Pacek, L. R., La Flair, L. N., & Mojtabai, R. (2019). Associations Between Time Spent Using Social Media and Internalizing and Externalizing Problems Among US Youth. *JAMA psychiatry*, 76 (12), 1266–1273. <https://doi.org/10.1001/jamapsychiatry.2019.2325>

Roberston, L., Twenge, J. M., Joiner, T. E., & Cummins, K. (2022). Associations between screen time and internalizing disorder diagnoses among 9- to 10-year-olds. *Journal of Affective Disorders*, 311. <https://doi.org/10.1016/j.jad.2022.05.071>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Cyberpsychology, Behavior, and Social Networking</i>	Roberts	David
2014	<i>Sleep</i>	Roberts, R.E.	Duong, H.T.
2022	<i>Body Image</i>	Roberts	Maheux, Hunt, Ladd, Choukas-Bradley
2022	<i>Body Image</i>	Roberts, T.-A.	Daniels, E. A., Weaver, J. M., & Zanovitch, L. S.
2002	<i>The Journal of neuroscience: the official journal of the Society for Neuroscience</i>	Robinson, D. L.	Heien, M. L., & Wightman, R. M.
2017	<i>Body Image</i>	Robinson	Prichard, Nikolaidis, Drummond, Drummond, Tiggemann
2004	<i>Neuropharmacology</i>	Robinson, T. E.	Kolb, B.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Instagram and TikTok Flow States and Their Association with Psychological Well-Being
The prospective association between sleep deprivation and depression among adolescents.
Incorporating social media and muscular ideal internalization into the tripartite influence model of body image: Towards a modern understanding of adolescent girls' body dissatisfaction
“Intermission!” A short-term social media fast reduces self-objectification among pre-teen and teen dancers
Frequency of dopamine concentration transients increases in dorsal and ventral striatum of male rats during introduction of conspecifics
Idealised media images: The effect of fitspiration imagery on bodysatisfaction and exercise behaviour
Structural plasticity associated with exposure to drugs of abuse.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Roberts, J. A., & David, M. E. (2023). Instagram and TikTok Flow States and Their Association with Psychological Well-Being. <i>Cyberpsychology, Behavior, and Social Networking</i> , 26 (2), 80–89. https://doi.org/10.1089/cyber.2022.0117
Roberts, R. E., & Duong, H. T. (2014). The Prospective Association between Sleep Deprivation and Depression among Adolescents. <i>Sleep</i> , 37 (2), 239–244. https://doi.org/10.5665/sleep.3388
Roberts, S. R., Maheux, A. J., Hunt, R. A., Ladd, B. A., & Choukas-Bradley, S. (2022). Incorporating social media and muscular ideal internalization into the tripartite influence model of body image: Towards a modern understanding of adolescent girls’ body dissatisfaction. <i>Body Image</i> , 41 (41), 239–247. https://doi.org/10.1016/j.bodyim.2022.03.002
Roberts, T.-A., Daniels, E. A., Weaver, J. M., & Zanolvitch, L. S. (2022). “Intermission!” A short-term social media fast reduces self-objectification among pre-teen and teen dancers. <i>Body Image</i> , 43, 125–133. https://doi.org/10.1016/j.bodyim.2022.08.015
Robinson, D. L., Heien, M. L., & Wightman, R. M. (2002). Frequency of dopamine concentration transients increases in dorsal and ventral striatum of male rats during introduction of conspecifics. <i>The Journal of neuroscience : the official journal of the Society for Neuroscience</i> , 22(23), 10477–10486. https://doi.org/10.1523/JNEUROSCI.22-23-10477.2002
Robinson, L., Prichard, I., Nikolaidis, A., Drummond, C., Drummond, M., & Tiggemann, M. (2017). Idealised media images: The effect of fitspiration imagery on body satisfaction and exercise behaviour. <i>Body Image</i> , 22 (22), 65–71. https://doi.org/10.1016/j.bodyim.2017.06.001
Robinson, T. E., & Kolb, B. (2004). Structural plasticity associated with exposure to drugs of abuse. <i>Neuropharmacology</i> , 47, 33–46. https://doi.org/10.1016/j.neuropharm.2004.06.025

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Body Image</i>	Rodgers	Laveway, Zalvino, Cardone, Wang
2020	<i>Adolescent Research Review</i>	Rodgers, R. F.	McLean, S. A., Gordon, C. S., Slater, A., Marques, M. D., Jarman, H. K., & Paxton, S. J.
2024	<i>Body Image</i>	Rodgers	Paxton, Wetheim, Fuller-Tyszkiewicz
2025	<i>Sex Roles</i>	Rodgers	Paxton, Wetheim
2020	<i>Journal of Youth and Adolescence</i>	Rodgers	Slater, Gordon, McLean, Jarman, Paxton
2024	<i>Affective Science</i>	Rodman	Burns, Cotter, Ohashi, Rich, & McLaughlin
2022	<i>Developmental Cognitive Neuroscience</i>	Rogers, C.R [†] .	Chen, X [†] ., Kwon, S [†] ., McElwain, N.L., & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
#BodyPositive: A qualitative exploration of young people's responses to body positive social media content
Development and validation of the motivations for social media use scale (MSMU) among adolescents
Better than average Bopo: Identifying which body positive social media content is most helpful for body image among women
Do Images Speak Louder Than Words? Effects of Body Positive and Fitspiration Quotes and Images on State Body Image in Women and Men
A Biopsychosocial Model of Social Media Use and Body Image Concerns, Disordered Eating, and Muscle-Building Behaviors among Adolescent Girls and Boys
Within-person fluctuations in objective smartphone use and emotional processes during adolescence: An intensive longitudinal study
The role of early attachment and parental presence in adolescent behavioral and neurobiological regulation

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Rodgers, R. F., Laveway, K., Zalvino, J., Cardone, W., & Wang, L. (2023). #BodyPositive: A qualitative exploration of young people's responses to body positive social media content. *Body Image*, 47, 101613–101613.
<https://doi.org/10.1016/j.bodyim.2023.08.005>

Rodgers, R. F., Mclean, S. A., Gordon, C. S., Slater, A., Marques, M. D., Jarman, H. K., & Paxton, S. J. (2020). Development and validation of the motivations for social media use scale (MSMU) among adolescents. *Adolescent Research Review*.
<https://doi.org/10.1007/s40894-020-00139-w>

Rodgers, R. F., Paxton, S. J., Wertheim, E. H., & Fuller-Tyszkiewicz, M. (2024). Better than average Bopo: Identifying which body positive social media content is most helpful for body image among women. *Body Image*, 51, 101773–101773.
<https://doi.org/10.1016/j.bodyim.2024.101773>

Rodgers, R.F., Paxton, S.J. & Wertheim, E.H. (2025). Do Images Speak Louder Than Words? Effects of Body Positive and Fitspiration Quotes and Images on State Body Image in Women and Men. *Sex Roles*, 91, 10 <https://doi.org/10.1007/s11199-024-01553-3>

Rodgers, R.F., Slater, A., Gordon, C.S. *et al.* (2020). A Biopsychosocial Model of Social Media Use and Body Image Concerns, Disordered Eating, and Muscle-Building Behaviors among Adolescent Girls and Boys. *Journal of Youth Adolescence* 49, 399–409. <https://doi.org/10.1007/s10964-019-01190-0>

Rodman, A. M., Burns, J. A., Cotter, G. K., Ohashi, Y.-G. B., Rich, R. K., & McLaughlin, K. A. (2024). Within-Person Fluctuations in Objective Smartphone Use and Emotional Processes During Adolescence: An Intensive Longitudinal Study. *Affective Science*. <https://doi.org/10.1007/s42761-024-00247-z>

Rogers, C.R†., Chen, X†., Kwon, S†., McElwain, N.L., & Telzer, E.H. (2022). The role of early attachment and parental presence in adolescent behavioral and neurobiological regulation. *Developmental Cognitive Neuroscience*, 53, 101046.
<https://doi.org/10.1016/j.dcn.2021.101046>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>Social Cognitive Affective Neuroscience</i>	Rogers, C.R†.	Fry, C.M†., Lee, T†., Galvan, M., Gates, K.M. & Telzer, E.H.
2023	<i>Journal of Youth and Adolescence</i>	Rogers, C.R†.	Jimenez, V†., Benjamin, A†., Rudolph. K.D., & Telzer, E.H.
2021	<i>Journal of Research on Adolescence</i>	Rogers, C.R†.	Lee, T†., Fry, C.M†., & Telzer, E.H.
2018	<i>Social Cognitive Affective Neuroscience</i>	Rogers, C.R†.	McCormick, E.M†., van Hoorn, J†., Ivory, S†., & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	Rogers, C.R†.	Perino, M.T†., & Telzer, E.H.
2024	<i>Cognition and Emotion</i>	Rogier	Muzi, & Pace
2008	<i>Nature neuroscience</i>	Roitman, M. F.	Wheeler, R. A., Wightman, R. M., & Carelli, R. M.
2019	<i>Addiction Research & Theory</i>	Rosenthal, R. J.	Faris, S. B.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural connectivity underlying adolescent social learning in sibling dyads
The effect of parents and peers on the neural correlates of risk taking and antisocial behavior during adolescence
Where you lead, I'll follow: Exploring sibling similarity in brain and behavior during risky decision-making
Neural correlates of sibling closeness and association with externalizing behavior in adolescence
Maternal buffering of adolescent dysregulation in socially appetitive contexts: From behavior to the brain
Social media misuse explained by emotion dysregulation and self-concept: an ecological momentary assessment approach
Real-time chemical responses in the nucleus accumbens differentiate rewarding and aversive stimuli
The etymology and early history of 'addiction.'

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Rogers, C.R†., Fry, C.M†., Lee, T†., Galvan, M., Gates, K.M. & Telzer, E.H. (2022). Neural connectivity underlying adolescent social learning in sibling dyads. <i>Social Cognitive Affective Neuroscience</i> , 17, 1007-1020. https://doi.org/10.1093/scan/nsac025
Rogers, C.R†., Jimenez, V†., Benjamin, A†., Rudolph. K.D., & Telzer, E.H. (2023). The effect of parents and peers on the neural correlates of risk taking and antisocial behavior during adolescence. <i>Journal of Youth and Adolescence</i> , 52, 1674-1684. https://doi.org/10.1007/s10964-023-01789-4
Rogers, C.R†., Lee, T†., Fry, C.M†., & Telzer, E.H. (2021). Where you lead, I'll follow: Exploring sibling similarity in brain and behavior during risky decision-making. <i>Journal of Research on Adolescence</i> , 31, 34-51. https://doi.org/10.1111/jora.12581
Rogers, C.R†., McCormick, E.M†., van Hoorn, J†., Ivory, S†., & Telzer, E.H. (2018). Neural correlates of sibling closeness and association with externalizing behavior in adolescence. <i>Social Cognitive Affective Neuroscience</i> , 13, 977-988. https://doi.org/10.1093/scan/nsy063
Rogers, C.R†., Perino, M.T†., & Telzer, E.H. (2020). Maternal buffering of adolescent dysregulation in socially appetitive contexts: From behavior to the brain. <i>Journal of Research on Adolescence</i> , 30, 41-52. https://doi.org/10.1111/jora.12500
Rogier, G., Muzi, S., & Pace, C. S. (2024). Social media misuse explained by emotion dysregulation and self-concept: an ecological momentary assessment approach. <i>Cognition and Emotion</i> , 38 (8), 1261–1270. https://doi.org/10.1080/02699931.2024.2363413
Roitman, M. F., Wheeler, R. A., Wightman, R. M., & Carelli, R. M. (2008). Real-time chemical responses in the nucleus accumbens differentiate rewarding and aversive stimuli. <i>Nature neuroscience</i> , 11(12), 1376–1377. https://doi.org/10.1038/nn.2219
Rosenthal, R. J., & Faris, S. B. (2019). The etymology and early history of ‘addiction.’ <i>Addiction Research & Theory</i> , 27(5), 437–449. https://doi.org/10.1080/16066359.2018.1543412

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Computers in Human Behavior</i>	Rosenthal-von der Pütten, A. M.	Hastall, M. R., Köcher, S., Meske, C., Heinrich, T., Labrenz, F., & Ocklenburg, S.
2024	<i>Child Development</i>	Rosič	Schreurs, Janicke- Bowles, & Vandenbosch
2021	<i>Psychology of Popular Media</i>	Rounds	Stutts
2023	<i>Health Communication</i>	Rousseau	N/A
2025	<i>Body Image</i>	Rousseau, A.	Rodgers, R. F.
2020	<i>Mobile Media & Communication</i>	Rozgonjuk	Pruunsild, Jürimäe, & Schwarz
2016	<i>Social Cognitive and Affective Neuroscience</i>	Rudolph, K. D.	Miernicki, M. E., Troop-Gordon, W., Davis, M. M., & Telzer, E. H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
“Likes” as social rewards: Their role in online social comparison and decisions to like other People’s selfies
Trajectories of digital flourishing in adolescence: The predictive roles of developmental changes and digital divide factors
The Impact of Fitspiration Content on Body Satisfaction and Negative Mood: An Experimental Study
Body-Positive Instagram Exposure and Young Women’s Body Image: The Mediating Role of Appearance Comparison and Broadly Conceptualizing Beauty
Social media incidental appearance exposure and young people’s body image: A conceptual review
Instagram use frequency is associated with problematic smartphone use, but not with depression and anxiety symptom severity
Adding insult to injury: neural sensitivity to social exclusion is associated with internalizing symptoms in chronically peer-victimized girls.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Rosenthal-von der Pütten, A. M., Hastall, M. R., Köcher, S., Meske, C., Heinrich, T., Labrenz, F., & Ocklenburg, S. (2019). “Likes” as social rewards: Their role in online social comparison and decisions to like other People’s selfies. *Computers in Human Behavior* , 92, 76–86. <https://doi.org/10.1016/j.chb.2018.10.017>

Rosič, J., Schreurs, L., Janicke-Bowles, S. H., & Vandenbosch, L. (2024). Trajectories of digital flourishing in adolescence: The predictive roles of developmental changes and digital divide factors. *Child Development* . <https://doi.org/10.1111/cdev.14101>

Rounds, E. G., & Stutts, L. A. (2021). The impact of fitspiration content on body satisfaction and negative mood: An experimental study. *Psychology of Popular Media*, 10(2), 267–274. <https://doi.org/10.1037/ppm0000288>

Rousseau, A. (2023). Body-Positive Instagram Exposure and Young Women’s Body Image: The Mediating Role of Appearance Comparison and Broadly Conceptualizing Beauty. *Health Communication* , 39 (8), 1520–1531. <https://doi.org/10.1080/10410236.2023.2222460>

Rousseau, A., & Rodgers, R. F. (2025). Social media incidental appearance exposure and young people’s body image: A conceptual review. *Body Image* , 52, 101838. <https://doi.org/10.1016/j.bodyim.2024.101838>

Rozgonjuk, D., Pruunsild, P., Jürimäe, K., Schwarz, R.-J., & Aru, J. (2020). Instagram use frequency is associated with problematic smartphone use, but not with depression and anxiety symptom severity. *Mobile Media & Communication*, 8(3), 400-418. <https://doi.org/10.1177/2050157920910190>

Rudolph, K. D., Miernicki, M. E., Troop-Gordon, W., Davis, M. M., & Telzer, E. H. (2016). Adding insult to injury: neural sensitivity to social exclusion is associated with internalizing symptoms in chronically peer-victimized girls. *Social Cognitive and Affective Neuroscience*, 11(5), 829–842. <https://doi.org/10.1093/scan/nsw021>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Social Cognitive Affective Neuroscience</i>	Rudolph, K.	Miernicki, M.E†., Troop-Gordon, W., Davis, M†., & Telzer, E.H.
2021	<i>Developmental Cognitive Neuroscience</i>	Rudolph, K.D.	Davis, M.M., Skymba, H.V., Modi, H.H., & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	Rudolph, K.D.	Davis, M.M†., Modi, H.H., Fowler, C†., Kim, Y., & Telzer, E.H.
2021	<i>Developmental Psychobiology</i>	Rudolph, K.D.	Skymba, H†., Modi, H.H†., Davis, M.M†., Yan Sze, W., Rosswurm, C.P. & Telzer, E.H.
(in press)	<i>Social Cognitive Affective Neuroscience</i>	Rudolph, K.R.	Davis, M.M†., Modi, H.H., Skymba, H.V., Finnegan, M.K., Haigler, K., Clapham, R.B., Ye, Z., Dodson, D. & Telzer, E.H.
2013	<i>Association for Psychological Science</i>	Ruscio, J.	Prajapati, B.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adding insult to injury: Neural sensitivity to social exclusion is associated with depression in chronically peer-victimized girls
Social experience calibrates neural sensitivity to social feedback during adolescence: A functional connectivity approach
Differential susceptibility to parenting in adolescent girls: Moderation by neural sensitivity to social cues
How does peer adversity “Get Inside the Brain?” Adolescent girls’ differential susceptibility to neural dysregulation of emotion following victimization
Emotional trade-offs of neural sensitivity to social threat and reward in adolescent girls
Citation-Based Indices of Scholarly Impact: Databases and Norms

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Rudolph, K., Miernicki, M.E†., Troop-Gordon, W., Davis, M†., & Telzer, E.H. (2016). Adding insult to injury: Neural sensitivity to social exclusion is associated with depression in chronically peer-victimized girls. *Social Cognitive Affective Neuroscience* , 11(5), 829-842. <https://doi.org/10.1093/scan/nsw021>

Rudolph, K.D., Davis, M.M., Skymba, H.V., Modi, H.H., & Telzer, E.H. (2021). Social experience calibrates neural sensitivity to social feedback during adolescence: A functional connectivity approach. *Developmental Cognitive Neuroscience* , 47, 100903. Special Issue on Childhood Adversity and Neurodevelopment. <https://doi.org/10.1016/j.dcn.2020.100903>.

Rudolph, K.D., Davis, M.M†., Modi, H.H., Fowler, C†., Kim, Y., & Telzer, E.H. (2020). Differential susceptibility to parenting in adolescent girls: Moderation by neural sensitivity to social cues. *Journal of Research on Adolescence* , 30, 177-191. <https://doi.org/10.1111/jora.12458>

Rudolph, K.D., Skymba, H†., Modi, H.H†., Davis, M.M†., Yan Sze, W., Rosswurm, C.P. & Telzer, E.H. (2021). How does peer adversity “Get Inside the Brain?” Adolescent girls’ differential susceptibility to neural dysregulation of emotion following victimization. *Developmental Psychobiology* , 63, 481-495. <https://doi.org/10.1002/dev.22022>

Rudolph, K.R., Davis, M.M†., Modi, H.H., Skymba, H.V., Finnegan, M.K., Haigler, K., Clapham, R.B., Ye, Z., Dodson, D. & Telzer, E.H. (in press). Emotional trade-offs of neural sensitivity to social threat and reward in adolescent girls. *Social Cognitive Affective Neuroscience* .

Ruscio, J., & Prajapati, B. (2013, August 30). Citation-Based Indices of Scholarly Impact: Databases and Norms. *Association for Psychological Science* . <https://www.psychologicalscience.org/observer/citation-based-indices-of-scholarly-impact-databases-and-norms>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Psychology of Popular Media</i>	Rutter	Campoverde, Hoang, Goldberg, Berenson
2020	<i>Psychology of Popular Media Culture</i>	Ryding	Kuss
2019	<i>Computers in Human Behavior</i>	Saiphoo, A. N.	Vahedi, Z.
2019	<i>Computers in Human Behavior</i>	Saiphoo	Vahedi
2024	<i>Annual Review of Psychology</i>	Salamone, J. D.	Correa, M.
2017	<i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>	Sallafranque-St-Louis, F.	Normand, C. L.
2017	<i>Theses and Dissertations--Psychology</i>	Salomon I.	N/A
2010	<i>Annual Review of Neuroscience</i>	Salzman, C. D.	Fusi, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Self-Compassion andWomen's Experience of Social Media Content Portraying Body Positivity and Appearance Ideals
The Use of Social Networking Sites, Body Image Dissatisfaction, and Body Dysmorphic Disorder: A Systematic Review of Psychological Research
A meta-analytic review of the relationship between social media use and body image disturbance
A meta-analytic review of the relationship between social media use and body image disturbance
The Neurobiology of Activational Aspects of Motivation: Exertion of Effort, Effort-Based Decision Making, and the Role of Dopamine.
From solitude to solicitation: How people with intellectual disability or autism spectrum disorder use the internet
"The Selfie Generation: Examining the Relationship Between Social Media Use and Early Adolescent Body Image".
Emotion, cognition, and mental state representation in amygdala and prefrontal cortex

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Rutter, H., Campoverde, C., Hoang, T., Goldberg, S. F., & Berenson, K. R. (2024). Self-compassion and women's experience of social media content portraying body positivity and appearance ideals. <i>Psychology of Popular Media</i>, 13(1), 12–22. https://doi.org/10.1037/ppm0000453</p>
<p>Ryding, F. C., & Kuss, D. J. (2020). The use of social networking sites, body image dissatisfaction, and body dysmorphic disorder: A systematic review of psychological research. <i>Psychology of Popular Media</i>, 9(4), 412–435. https://doi.org/10.1037/ppm0000264</p>
<p>Saiphoo, A. N., & Vahedi, Z. (2019). A meta-analytic review of the relationship between social media use and body image disturbance. <i>Computers in Human Behavior</i>, 101, 259–275. https://doi.org/10.1016/j.chb.2019.07.028</p>
<p>Saiphoo, A. N., & Vahedi, Z. (2019). A meta-analytic review of the relationship between social media use and body image disturbance. <i>Computers in Human Behavior</i>, 101, 259–275. https://doi.org/10.1016/j.chb.2019.07.028</p>
<p>Salamone, J. D., & Correa, M. (2024). The Neurobiology of Activational Aspects of Motivation: Exertion of Effort, Effort-Based Decision Making, and the Role of Dopamine. <i>Annual Review of Psychology</i>, 75(1), 1–32. https://doi.org/10.1146/annurev-psych-020223-012208</p>
<p>Sallafranque-St-Louis, F., & Normand, C. L. (2017). From solitude to solicitation: How people with intellectual disability or autism spectrum disorder use the internet. <i>Cyberpsychology: Journal of Psychosocial Research on Cyberspace</i>, 11(1), Article 7. https://doi.org/10.5817/CP2017-1-7</p>
<p>Salomon, I. (2017) "The Selfie Generation: Examining the Relationship Between Social Media Use and Early Adolescent Body Image". Theses and Dissertations--Psychology. 112. https://uknowledge.uky.edu/psychology_etds/112</p>
<p>Salzman, C. D., & Fusi, S. (2010). Emotion, cognition, and mental state representation in amygdala and prefrontal cortex. <i>Annual Review of Neuroscience</i>, 33, 173–202. https://doi.org/10.1146/annurev.neuro.051508.135256</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>PLOS One</i>	Samari	Chang, Seow, Chua, Subramaniam, vanDam, Luo, Verma & Vaingankar
2019	<i>Journal of Primary Prevention</i>	Sampasa-Kanyinga	Chaput, Hamilton
2022	<i>The Journal of Psychology</i>	Sánchez-Hernández, M. D.	Herrera, M. C. & Expósito, F.
2014	<i>Brain: A Journal of Neurology</i>	Sandrone, S.	Bacigaluppi, M., Galloni, M. R., Cappa, S. F., Moro, A., Catani, M., Filippi, M., Monti, M. M., Perani, D., & Martino, G.
2023	<i>bioRxiv</i>	Sands, L. P.	Jiang, A., Jones, R. E., Trattner, J. D., & Kishida, K. T.
2023	<i>Science Advances</i>	Sands, L. P.	Jiang, A., Liebenow, B., DiMarco, E., Laxton, A. W., Tatter, S. B., Montague, P. R., & Kishida, K. T.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Aqualitative study on negative experiences of social media use andharmreduction strategies among youths in a multi-ethnic Asian society
Social media use, school connectedness, and academic performance among adolescents.
Does the Number of Likes Affect Adolescents' Emotions? The Moderating Role of Social Comparison and Feedback-Seeking on Instagram
Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light
Valence-partitioned learning signals drive choice behavior and phenomenal subjective experience in humans.
Subsecond fluctuations in extracellular dopamine encode reward and punishment prediction errors in humans.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Samari, E., Chang, S., Seow, E., Chua, Y. C., Subramaniam, M., van Dam, R. M., Luo, N., Verma, S., & Vaingankar, J. A. (2022). A qualitative study on negative experiences of social media use and harm reduction strategies among youths in a multi-ethnic Asian society. *PloS one* , 17 (11), e0277928. <https://doi.org/10.1371/journal.pone.0277928>

Sampasa-Kanyinga, H., Chaput, J.-P., & Hamilton, H. A. (2019). Social Media Use, School Connectedness, and Academic Performance Among Adolescents. *The Journal of Primary Prevention* , 40 (2), 189–211. <https://doi.org/10.1007/s10935-019-00543-6>

Sánchez-Hernández, M. D., Herrera, M. C., & Expósito, F. (2022). Does the Number of Likes Affect Adolescents' Emotions? The Moderating Role of Social Comparison and Feedback-Seeking on Instagram. *The Journal of Psychology* , 156(3), 200–223. <https://doi.org/10.1080/00223980.2021.2024120>

Sandrone, S., Bacigaluppi, M., Galloni, M. R., Cappa, S. F., Moro, A., Catani, M., Filippi, M., Monti, M. M., Perani, D., & Martino, G. (2014). Weighing brain activity with the balance: Angelo Mosso's original manuscripts come to light. *Brain: A Journal of Neurology* , 137(Pt 2), 621–633. <https://doi.org/10.1093/brain/awt091>

Sands, L. P., Jiang, A., Jones, R. E., Trattner, J. D., & Kishida, K. T. (2023). Valence-partitioned learning signals drive choice behavior and phenomenal subjective experience in humans. *bioRxiv*, 2023.03.17.533213. <https://doi.org/10.1101/2023.03.17.533213>

Sands, L. P., Jiang, A., Liebenow, B., DiMarco, E., Laxton, A. W., Tatter, S. B., Montague, P. R., & Kishida, K. T. (2023). Subsecond fluctuations in extracellular dopamine encode reward and punishment prediction errors in humans. *Science Advances*, 9(48), eadi4927. <https://doi.org/10.1126/sciadv.adi4927>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Translational Psychiatry</i>	Sannino, S.	Padula, M. C., Managò, F., Schaer, M., Schneider, M., Armando, M., Scariati, E., Sloan-Bena, F., Mereu, M., Pontillo, M., Vicari, S., Contarini, G., Chiabrera, C., Pagani, M., Gozzi, A., Eliez, S., & Papaleo, F.
2023	<i>Eating Behaviors</i>	Sanzari	N/A
2021	<i>Behavior research methods</i>	Satchell, L. P.	Fido, D., Harper, C. A., Shaw, H., Davidson, B., Ellis, D. A., Hart, C. M., Jalil, R., Bartoli, A. J., Kaye, L. K., Lancaster, G. L. J., Pavetich, M.
2018	<i>Cyberpsychology, Behavior, and Social Networking</i>	Saunders	Eaton
2021	<i>Journal of Computer-Mediated Communication</i>	Schemer	Masur, Geiß, Müller, & Schäfer
2023	<i>Computers in Human Behavior</i>	Schettino	Capasso, Caso

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescence is the starting point of sex-dichotomous COMT genetic effects.
The Impact of Social Media Use On Body Image and Disordered Eating Behaviors: Content Matters More Than Duration of Exposure.
Development of an Offline-Friend Addiction Questionnaire (O-FAQ): Are most people really social addicts?
Snap, Selfies, and Shares: How Three Popular Social Media Platforms Contribute to the Sociocultural Model of Disordered Eating Among Young Women
The Impact ofInternet and Social Media Use on Well-Being: A Longitudinal Analysis of Adolescents Across Nine Years
The dark side of #bodypositivity: The relationships between sexualized body-positive selfies on Instagram and acceptance of cosmetic surgery among women

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Sannino, S., Padula, M. C., Managò, F., Schaer, M., Schneider, M., Armando, M., Scariati, E., Sloan-Bena, F., Mereu, M., Pontillo, M., Vicari, S., Contarini, G., Chiabrera, C., Pagani, M., Gozzi, A., Eliez, S., & Papaleo, F. (2017). Adolescence is the starting point of sex-dichotomous COMT genetic effects. *Translational Psychiatry*, 7(5), e1141–e1141. <https://doi.org/10.1038/tp.2017.109>

Sanzari, et. al. (2023). The Impact of Social Media Use On Body Image and Disordered Eating Behaviors: Content Matters More Than Duration of Exposure. *Eating Behaviors* , 49, 101722. <https://doi.org/10.1016/j.eatbeh.2023.101722>.

Satchell, L. P., Fido, D., Harper, C. A., Shaw, H., Davidson, B., Ellis, D. A., Hart, C. M., Jalil, R., Bartoli, A. J., Kaye, L. K., Lancaster, G. L. J., & Pavetich, M. (2021). Development of an Offline-Friend Addiction Questionnaire (O-FAQ): Are most people really social addicts?. *Behavior research methods*, 53(3), 1097–1106. <https://doi.org/10.3758/s13428-020-01462-9>

Saunders, J. F., & Eaton, A. A. (2018). Snaps, Selfies, and Shares: How Three Popular Social Media Platforms Contribute to the Sociocultural Model of Disordered Eating Among Young Women. *Cyberpsychology, Behavior, and Social Networking* , 21 (6), 343–354. <https://doi.org/10.1089/cyber.2017.0713>

Schemer, C., Masur, P.K., Geiß, S., Müller, P., Schäfer, S. (2021). The Impact of Internet and Social Media Use on Well-Being: A Longitudinal Analysis of Adolescents Across Nine Years, *Journal of Computer-Mediated Communication*, Volume 26, Issue 1, January 2021, Pages 1–21, <https://doi.org/10.1093/jcmc/zmaa014>

Schettino, G., Capasso, M., Caso, D. (2023). The dark side of #bodypositivity: The relationships between sexualized body-positive selfies on Instagram and acceptance of cosmetic surgery among women, *Computers in Human Behavior*, Volume 140, 107586, ISSN 0747-5632, <https://doi.org/10.1016/j.chb.2022.107586>.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>JAMA network open</i>	Schmidt-Persson	Rasmussen, M. G. B., Sørensen, S. O., Mortensen, S. R., Olesen, L. G., Brage, S., Kristensen, P. L., Bilenberg, N., Grøntved, A.
2020	<i>Addictive Behaviors</i>	Schmitgen, M. M.	Horvath, J., Mundinger, C., Wolf, N. D., Sambataro, F., Hirjak, D., Kubera, K. M., Koenig, J., & Wolf, R. C.
2017	<i>Computers in Human Behavior</i>	Schneider	Schneider, Zwillich, Bindl, Hopp, Reich, Vorderer
2016	<i>Psychology of addictive behaviors</i>	Schou Andreassen, C.	Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S.
2018	<i>Child Development</i>	Schreuders, E.	Braams, B. R., Blankenstein, N. E., Peper, J. S., Güroğlu, B., & Crone, E. A.
2022	<i>Computers in Human Behavior</i>	Schreurs	Vandenbosch

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Screen Media Use and Mental Health of Children
Neural correlates of cue reactivity in individuals with smartphone addiction
Social media ostracism: The effects of being excluded online
The relationship between addictive use of social media and video games and symptoms of psychiatric disorders: A large-scale cross-sectional study.
Contributions of reward sensitivity to ventral striatum activity across adolescence and early adulthood
Different interactions with appearance-focused social media content and adolescents' body dissatisfaction: A within-person perspective

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Schmidt-Persson, J., Rasmussen, M. G. B., Sørensen, S. O., Mortensen, S. R., Olesen, L. G., Brage, S., Kristensen, P. L., Bilenberg, N., & Grøntved, A. (2024). Screen Media Use and Mental Health of Children and Adolescents: A Secondary Analysis of a Randomized Clinical Trial. *JAMA network open* , 7 (7), e2419881. <https://doi.org/10.1001/jamanetworkopen.2024.19881>

Schmitgen, M. M., Horvath, J., Mundinger, C., Wolf, N. D., Sambataro, F., Hirjak, D., Kubera, K. M., Koenig, J., & Wolf, R. C. (2020). Neural correlates of cue reactivity in individuals with smartphone addiction. *Addictive Behaviors* , 108, 106422. <https://doi.org/10.1016/j.addbeh.2020.106422>

Schneider, F. M., Zwillich, B., Bindl, M. J., Hopp, F. R., Reich, S., & Vorderer, P. (2017). Social media ostracism: The effects of being excluded online. *Computers in Human Behavior* , 73 (1), 385–393. <https://doi.org/10.1016/j.chb.2017.03.052>

Schou Andreassen, C., Billieux, J., Griffiths, M. D., Kuss, D. J., Demetrovics, Z., Mazzoni, E., & Pallesen, S. (2016). The relationship between addictive use of social media and video games and symptoms of psychiatric disorders: A large-scale cross-sectional study. *Psychology of addictive behaviors* , 30 (2), 252–262. <https://doi.org/10.1037/adb0000160>

Schreuders, E., Braams, B. R., Blankenstein, N. E., Peper, J. S., Güroğlu, B., & Crone, E. A. (2018). Contributions of reward sensitivity to ventral striatum activity across adolescence and early adulthood. *Child Development* , 89(3), 797–810. <https://doi.org/10.1111/cdev.13056>

Schreurs, L., & Vandenbosch, L. (2022). Different interactions with appearance-focused social media content and adolescents' body dissatisfaction: A within-person perspective. *Computers in Human Behavior* , 135 , 107364. <https://doi.org/10.1016/j.chb.2022.107364>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1997	<i>Science</i>	Schultz, W.	Dayan, P., & Montague, P. R.
2020	<i>Plos One</i>	Schulz van Endert, T.	Mohr, P. N. C.
2022	<i>Frontiers in Psychology</i>	Schulz van Endert, T.	Mohr, P. N. C.
2022	<i>Cyberpsychology, Behavior, and Social Networking</i>	Schwartz-Lifshitz	Hertz-Palmor, Dekel, Balan-Moshe, Mekori-Domachevsky, Weisman, Kaufman, Gothelf, Amichai-Hamburger
2022	<i>Kindheit Und Entwickl</i>	Schwarz, D.	Steinau, K., Kraus, L., & In-Al
2016	<i>Proceedings in CSCW</i>	Scissor	Burke, Wengrovitz
2023	<i>Social Media + Society</i>	Scott, F.	et. al.
2019	<i>BMJ Open</i>	Scott, H.	Biello, S. M. & Woods, H. C.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A neural substrate of prediction and reward
Likes and impulsivity: Investigating the relationship between actual smartphone use and delay discounting
Delay discounting of monetary and social media rewards: magnitude and trait effects
Loneliness and social media use among adolescents with psychiatric disorders.
The Effect of a 1-Week Abstinence From Instagram on Mental Health in Youth and Young Adults
What's in a Like? Attitudes and behaviors around receiving Likes on Facebook
Addressing the "Whys" of UK Children's YouTube Use: A Purposes Approach.
Social media use and adolescent sleep patterns: cross-sectional findings from the UK millennium cohort study

Literature Review - APA Publication Cite

Schultz, W., Dayan, P., & Montague, P. R. (1997). A neural substrate of prediction and reward. *Science* (New York, N.Y.), 275(5306), 1593–1599.

<https://doi.org/10.1126/science.275.5306.1593>

Schulz van Endert, T., & Mohr, P. N. C. (2020). Likes and impulsivity: Investigating the relationship between actual smartphone use and delay discounting. *Plos One*, 15(11), e0241383. <https://doi.org/10.1371/journal.pone.0241383>

Schulz van Endert, T., & Mohr, P. N. C. (2022). Delay discounting of monetary and social media rewards: magnitude and trait effects. *Frontiers in Psychology*, 13, 822505.

<https://doi.org/10.3389/fpsyg.2022.822505>

Schwartz-Lifshitz, M., Hertz-Palmor, N., Dekel, I., Balan-Moshe, L., Mekori-Domachevsky, E., Weisman, H., Kaufman, S., Gothelf, D., & Amichai-Hamburger, Y. (2022). Loneliness and Social Media Use Among Adolescents with Psychiatric Disorders. *Cyberpsychology, Behavior, and Social Networking*, 25 (6), 392–397.

<https://doi.org/10.1089/cyber.2021.0337>

Schwarz, D., Steinau, K., Kraus, L., & In-Albon, T. (2022). The Effect of a 1-Week Abstinence From Instagram on Mental Health in Youth and Young Adults. *Kindheit Und Entwicklung*, 31 (4), 200–210. <https://doi.org/10.1026/0942-5403/a000392>

██████████ & Wengrovitz, S. (2016). What-s in a Like? Attitudes and behaviors around receiving Likes on Facebook. *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing - CSCW '16*.

<https://doi.org/10.1145/2818048.2820066>

Scott, F., et. al. (2023). Addressing the “Whys” of UK Children’s YouTube Use: A Purposes Approach. *Social Media + Society*, 9(4). <https://doi.org/10.1177/20563051231216931>.

Scott, H., Biello, S. M., & Woods, H. C. (2019). Social media use and adolescent sleep patterns: cross-sectional findings from the UK millennium cohort study. *BMJ Open*, 9(9), e031161.

<https://doi.org/10.1136/bmjopen-2019-031161>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2020	<i>Irish Journal of Psychological Medicine</i>	Scully	Swords, Nixon
2022	<i>Body Image</i>	Seekis	Barker
2023	<i>Body Image</i>	Seekis	Kennedy
2024	<i>PPM</i>	Seekis	Lawrence
2023	<i>Body Image</i>	Seekis	Lawrence
2020	<i>Psychology of Women Quarterly</i>	Seekis	Bradley, Duffy
2021	<i>Psychology of Men & Masculinities</i>	Seekis	Bradley, Duffy
2025	<i>Body Image</i>	Seekis	Mulgrew, Prichard, Manning, Wood, & Stevenson

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social comparisons on social media: online appearance-related activity and body dissatisfaction in adolescent girls
Does #beauty have a dark side? Testing mediating pathways between engagement with beauty content on social media and cosmetic surgery consideration
The impact of #beauty and #self-compassion tiktok videos on young women's appearance shame and anxiety, self-compassion, mood, and comparison processes
The Effect of TikTok Body Neutrality Content on Young Women's Self-Compassion
How exposure to body neutrality content on TikTok affects young women's body image and mood
Appearance-Related Social Networking Sites and Body Image in Young Women: Testing an Objectification-Social Comparison Model
Social Networking Sites and Men's Drive for Muscularity: Testing a Revised Objectification Model
To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Scully, M., Swords, L., & Nixon, E. (2020). Social comparisons on social media: online appearance-related activity and body dissatisfaction in adolescent girls. <i>Irish Journal of Psychological Medicine</i> , 40 (1), 1–12. https://doi.org/10.1017/ipm.2020.93
Seekis, V., & Barker, G. (2022). Does #beauty have a dark side? Testing mediating pathways between engagement with beauty content on social media and cosmetic surgery consideration. <i>Body Image</i> , 42 (1), 268–275. https://doi.org/10.1016/j.bodyim.2022.06.013
Seekis, V., & Kennedy, R. (2023). The impact of #beauty and #self-compassion tiktok videos on young women’s appearance shame and anxiety, self-compassion, mood, and comparison processes. <i>Body Image</i> , 45 (1740-1445), 117–125. https://doi.org/10.1016/j.bodyim.2023.02.006
Seekis, V., & Lawrence, R. (2024). The effect of TikTok body neutrality content on young women’s self-compassion. <i>Psychology of Popular Media</i> . Advance online publication. https://doi.org/10.1037/ppm0000569
Seekis, V., & Lawrence, R. K. (2023). How exposure to body neutrality content on TikTok affects young women’s body image and mood. <i>Body Image</i> , 47 (101629), 101629. https://doi.org/10.1016/j.bodyim.2023.101629
Seekis, V., Bradley, G. L., & Duffy, A. L. (2020). Appearance-Related Social Networking Sites and Body Image in Young Women: Testing an Objectification-Social Comparison Model. <i>Psychology of Women Quarterly</i> , 44(3), 377-392. https://doi.org/10.1177/0361684320920826
Seekis, V., Bradley, G. L., & Duffy, A. L. (2021). Social networking sites and men’s drive for muscularity: Testing a revised objectification model. <i>Psychology of Men & Masculinities</i> , 22(1), 189–200. https://doi.org/10.1037/men0000265
Seekis, V., Mulgrew, K. E., Prichard, I., Manning, H., Wood, I., & Stevenson, C. (2025). To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing. <i>Body Image</i> , 52 , 101849. https://doi.org/10.1016/j.bodyim.2024.101849

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2025	<i>Body image</i>	Seekis, V.	Mulgrew, K. E., Prichard, I., Manning, H., Wood, I., & Stevenson, C.
2020	<i>Computers in Human Behavior</i>	Sela	Zach, Amichay-Hamburger, Mishali, & Omer
2022	<i>Journal of the Royal Statistical Society: Series c (Applied Statistics)</i>	Semken	Rossell, D.
2016	<i>Journal of Computer-Mediated Communication</i>	Seo	Kim, Yang
2020	<i>Journal of Youth and Adolescence</i>	Sevic	Cipric, Busko, Stulhofer
2022	<i>Clinical Psychological Science</i>	Sewall	Goldstein, Wright, & Rosen
2021	<i>Journal of Psychiatric Research</i>	Shafi	Nakonezny, Miller, Desai, Almorsy, Ligezka, Morath, Romanowicz, & Croarkin

Ex. B: Materials Considered List

Literature Review - Article NameTitle

To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing

Family environment and problematic internet use among adolescents: The mediating roles of depression and Fear of Missing Out

Specification analysis for technology use and teenager well-being Statistical validity and a Bayesian proposal

Frequent Interaction and Fast Feedback Predict Perceived Social Support: Using Crawled and Self-Reported Data of Facebook Users

The Relationship between the Use of Social Networking Sites and Sexually Explicit Material, the Internalization of Appearance Ideals and Body Self-Surveillance: Results from a Longitudinal Study of Male Adolescents

Does Objectively Measured Social-Media or Smartphone Use Predict Depression, Anxiety, or Social Isolation Among Young Adults?

Altered markers of stress in depressed adolescents after acute social media use

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Seekis, V., Mulgrew, K. E., Prichard, I., Manning, H., Wood, I., & Stevenson, C. (2025). To detox or not to detox? The impact of different approaches to social media detox strategies on body image and wellbeing. *Body image*, 52, 101849. <https://doi.org/10.1016/j.bodyim.2024.101849>

Sela, Y., Zach, M., Amichay-Hamburger, Y., Mishali, M., & Omer, H. (2020). Family environment and problematic internet use among adolescents: The mediating roles of depression and Fear of Missing Out. *Computers in Human Behavior*, 106, 106326.

Semken, C., & Rossell, D. (2022). Specification analysis for technology use and teenager well-being: Statistical validity and a Bayesian proposal. *Journal of the Royal Statistical Society: Series c (Applied Statistics)*. <https://doi.org/10.1111/rssc.12578>

Seo, M., Kim, J., & Yang, H. (2016). Frequent Interaction and Fast Feedback Predict Perceived Social Support: Using Crawled and Self-Reported Data of Facebook Users. *Journal of Computer-Mediated Communication*, 21 (4), 282–297. <https://doi.org/10.1111/jcc4.12160>

Sevic, S., Ciprić, A., Buško, V. *et al.* (2020). The Relationship between the Use of Social Networking Sites and Sexually Explicit Material, the Internalization of Appearance Ideals and Body Self-Surveillance: Results from a Longitudinal Study of Male Adolescents. *J Youth Adolescence* 49, 383–398. <https://doi.org/10.1007/s10964-019-01172-2>

Sewall, C. J. R., Goldstein, T. R., Wright, A. G. C., & Rosen, D. (2022). Does Objectively Measured Social-Media or Smartphone Use Predict Depression, Anxiety, or Social Isolation Among Young Adults? *Clinical Psychological Science*, 10(5), 997–1014. <https://doi.org/10.1177/21677026221078309>

Shafi, R. M. A., Nakonezny, P. A., Miller, K. A., Desai, J., Almorsy, A. G., Ligezka, A. N., Morath, B. A., Romanowicz, M., & Croarkin, P. E. (2021). Altered markers of stress in depressed adolescents after acute social media use. *Journal of Psychiatric Research*, 136, 149–156. <https://doi.org/10.1016/j.jpsychires.2021.01.055>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>American Journal of Epidemiology</i>	Shakya	Christakis
2021	<i>Adolescent Research Review</i>	Shankleman, M.	Hammond, L., & Jones, F. W.
2022	<i>JMIR Mental Health</i>	Shannon, H.	Bush, K., Villeneuve, P. J., Hellemans, K. G., & Guimond, S.
2022	<i>JMIR Mental Health</i>	Shannon	Bush, Villeneuve, Hellemans, Guimond
2020	<i>Journal of General Psychology</i>	Sharifian	Zahodne
2021	<i>Developmental Science</i>	Sharp P.B†.	Do K.T†., Lindquist K.A., Prinstein M.J., & Telzer E.H.
2017	<i>NeuroImage: Clinical</i>	Sharp, P.B†.	Telzer, E.H.
2019	<i>Social Neuroscience</i>	Sharp, P.B†.	Heller, W. & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Association of Facebook Use With Compromised Well-Being: A Longitudinal Study
Adolescent social media use and well-being: A systematic review and thematic meta-synthesis
Problematic Social Media Use in Adolescents and Young Adults: Systematic Review and Meta-analysis
Problematic social media use in adolescents and young adults: Systematic review and meta-analysis
Daily associations between social media use and memory failures: the mediating role of negative affect
Cognitive control deployment is flexibly modulated by social value in early adolescence
Structural connectomics of anxious arousal in early adolescence: Translating clinical and ethological findings
Selective neural sensitivity to familial threat in adolescents with weak family bonds

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Shakya, H. B., & Christakis, N. A. (2017). Association of Facebook Use with compromised well-being: A longitudinal study. <i>American Journal of Epidemiology</i> , 185 (3), 203–211. https://doi.org/10.1093/aje/kww189</p>
<p>Shankleman, M., Hammond, L., & Jones, F. W. (2021). Adolescent social media use and well-being: A systematic review and thematic meta-synthesis. <i>Adolescent Research Review</i>, 6(4), 471–492. https://doi.org/10.1007/s40894-021-00154-5</p>
<p>Shannon, H., Bush, K., Villeneuve, P. J., Hellemans, K. G., & Guimond, S. (2022). Problematic Social Media Use in Adolescents and Young Adults: Systematic Review and Meta-analysis. <i>JMIR Mental Health</i> , 9(4), e33450. https://doi.org/10.2196/33450</p>
<p>Shannon, H., Bush, K., Villeneuve, P., Hellemans, K., & Guimond, S. (2022). Problematic social media use in adolescents and young adults: A meta-analysis. <i>JMIR Mental Health</i> , 9 (4). https://doi.org/10.2196/33450</p>
<p>Sharifian, N., & Zahodne, L. B. (2020). Daily associations between social media use and memory failures: the mediating role of negative affect. <i>The Journal of General Psychology</i> , 148 (1), 67–83. https://doi.org/10.1080/00221309.2020.1743228</p>
<p>Sharp P.B†., Do K.T†., Lindquist K.A., Prinstein M.J., & Telzer E.H. (2021). Cognitive control deployment is flexibly modulated by social value in early adolescence. <i>Developmental Science</i> , 25, e13140. https://doi.org/10.1111/desc.13140</p>
<p>Sharp, P.B†. & Telzer, E.H. (2017). Structural connectomics of anxious arousal in early adolescence: Translating clinical and ethological findings. <i>NeuroImage: Clinical</i> , 16, 604-609. https://doi.org/10.1016/j.nicl.2017.09.012</p>
<p>Sharp, P.B†., Heller, W., & Telzer, E.H. (2019). Selective neural sensitivity to familial threat in adolescents with weak family bonds. <i>Social Neuroscience</i> , 14(1), 80-89. https://doi.org/10.1080/17470919.2017.1397545</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Scientific Reports</i>	Sharp, P.B†.	Sutton, B.P., Paul, E.J., Cohen, N.J., Kramer, A.F., Heller, W., Telzer, E.H., & Barbey, A.K.
1997	<i>J. Abnorm. Child Psychol</i>	Sheeber, L.	Hops, H., Alpert, A., et. al.
2023	<i>Media Psychology</i>	Titova	Titova
2017	<i>Child Development</i>		Greenfield, Hernandez, Dapretto
2018	<i>Peer influence via Instagram: Effects on</i>		Greenfield, P. M., Hernandez, L. M., &
2018	<i>Social Cognitive and Affective Neuroscience</i>		Hernandez, L. M., Greenfield, P. M., & Dapretto, M.
2018	<i>Social Cognitive and Affect Neuroscience</i>		Hernandez, Greenfield, Dapretto
2016	<i>Psychological Science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Mindfulness training induces structural connectome changes in insula networks
Family Support and Conflict: Prospective Relations to Adolescent Depression.
Social media use and well-being: testing an integrated self-determination theory model
Peer Influence Via Instagram: Effects on Brain and Behavior in Adolescence and Young Adulthood
Peer influence via Instagram: Effects on brain and behavior in adolescence and young
What the brain “Likes”: neural correlates of providing feedback on social media
What the brain ‘Likes’: neural correlates of providing feedback on social media
The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Sharp, P.B[†]., Sutton, B.P., Paul, E.J., Cohen, N.J., Kramer, A.F., Heller, W., Telzer, E.H., & Barbey, A.K. (2018). Mindfulness training induces structural connectome changes in insula networks. *Scientific Reports* , 8, 7929. <https://doi.org/10.1038/s41598-018-26268-w>

Sheeber, L., Hops, H., Alpert, A., et. al. (1997). Family Support and Conflict: Prospective Relations to Adolescent Depression. *J. Abnorm. Child Psychol* , 25(4), 333-44. <https://doi.org/10.1023/A:1025768504415>

Sheldon, K. M., & Titova, L. (2023). Social media use and well-being: testing an integrated self-determination theory model. *Media Psychology* , 26 (6), 637–659. <https://doi.org/10.1080/15213269.2023.2185259>

Greenfield, P. M., Hernandez, L. M., & Dapretto, M. (2017). Peer Influence Via Instagram: Effects on Brain and Behavior in Adolescence and Young Adulthood. *Child Development* , 89 (1), 37–47. <https://doi.org/10.1111/cdev.12838>

Greenfield, P. M., Hernandez, L. M., & Dapretto, M. (2018). Peer influence via Instagram: Effects on brain and

Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2018). What the brain “Likes”: neural correlates of providing feedback on social media. *Social Cognitive and Affective Neuroscience* , 13(7), 699–707. <https://doi.org/10.1093/scan/nsy051>

Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2018). What the brain “Likes”: neural correlates of providing feedback on social media. *Social Cognitive and Affective Neuroscience* , 13 (7), 699–707. <https://doi.org/10.1093/scan/nsy051>

Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media, *Psychological Science*. 27(7) 1027-1035, DOI: 10.1177/0956797616645673

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2016	<i>Psychological Science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M.
2016	<i>Psychological science</i>		Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto,
2016	<i>Psychological Science</i>		Payton, Hernandez, Greenfield, Dapretto
2019	<i>Psychoneuroendocrinology</i>	Shields, G.S.	Ivory, S.L†. & Telzer, E.H.
2022	<i>Computers in Human Behavior</i>	Shin, J.	Juventin, M., Chu, Manor, Y., & Kemps, E.
(in press)	<i>Cambridge University Press</i>	Shipkova, M†.	Dai, J†., Lindquist, K.A. & Telzer, E.H.
2023	<i>Computers in Human Behavior Reports</i>	Sihoe, C. E.	Mueller, U. & Liu, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The power of the like in adolescence: effects of peer influence on neural and behavioral responses to social media
The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media.
The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media
Three-month cumulative exposure to testosterone and cortisol predicts distinct effects on response inhibition and risky decision-making in adolescents
Online media consumption and depression in young people: A systematic review and meta-analysis.
Neurodevelopment of emotional processes in adolescent social contexts. In J. Armony and P. Vuilleumier (Eds). 2nd edition. The Handbook of Affective Neuroscience
Perceived smartphone addiction predicts ADHD symptomatology in middle school adolescents: A longitudinal study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite	
	Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The power of the like in adolescence: effects of peer influence on neural and behavioral responses to social media. <i>Psychological Science</i> , 27(7), 1027–1035. https://doi.org/10.1177/0956797616645673
	Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media. <i>Psychological science</i> , 27 (7), 1027–1035. https://doi.org/10.1177/0956797616645673
	Payton, A. A., Hernandez, L. M., Greenfield, P. M., & Dapretto, M. (2016). The Power of the Like in Adolescence: Effects of Peer Influence on Neural and Behavioral Responses to Social Media. <i>Psychological Science</i> , 27(7), 1027-1035. https://doi.org/10.1177/0956797616645673
	Shields, G.S., Ivory, S.L [†] , & Telzer, E.H. (2019). Three-month cumulative exposure to testosterone and cortisol predicts distinct effects on response inhibition and risky decision-making in adolescents. <i>Psychoneuroendocrinology</i> , 110, 104412. https://doi.org/10.1016/j.psyneuen.2019.104412
	Shin, J., Juventin, M., Chu, Manor, Y., & Kemps, E. (2022). Online media consumption and depression in young people: A systematic review and meta-analysis. <i>Computers in Human Behavior</i> , 128, 1-14. Article 107129. https://doi.org/10.1016/j.chb.2021.107129
	Shipkova, M [†] , Dai, J [†] , Lindquist, K.A. & Telzer, E.H. (in press). Neurodevelopment of emotional processes in adolescent social contexts. In J. Armony and P. Vuilleumier (Eds). 2nd edition. <i>The Handbook of Affective Neuroscience</i> . Cambridge University Press.
	Sihoe, C. E., Mueller, U., & Liu, S. (2023). Perceived smartphone addiction predicts ADHD symptomatology in middle school adolescents: A longitudinal study. <i>Computers in Human Behavior Reports</i> , 12, 100335. https://doi.org/10.1016/j.chbr.2023.100335

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Neuroimage</i>	Silverman, M. H.	Jedd, K. & Luciana, M.
2012	<i>Emotion</i>	Silvers, J. A.	McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N.
2012	<i>Emotion</i>	Silvers, J. A.	McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N.
2016	<i>Journal of Neuroscience</i>	Silvers, J.A.	Lumian, D.S., Gabard-Durnam, L., Gee, D.G., Goff, B., Fareri, D.S., Caldera, C., Flannery, J., Telzer, E.H., Humphreys, K., & Tottenham, N.
2022	<i>Personality and Individual Differences</i>	Simon	Cu, de Jesus, Go, Lim, Say
2024	<i>The International Journal of Eating Disorders</i>	Sjöström, D. K.	de Mendonca Lindström, T., Kapetanovic, S., & Claesdotter-Knutsson, E.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neural networks involved in adolescent reward processing: An activation likelihood estimation meta-analysis of functional neuroimaging studies
Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence
Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence
Previous institutionalization is followed by broader amygdala-hippocampal-PFC network connectivity during aversive learning in human development
Worried about being imperfect? The mediating effect of physical appearance perfectionism between Instagram addiction and body esteem
Helpful or not? A qualitative study on female adolescents' experience of tiktok when recovering from anorexia nervosa

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Silverman, M. H., Jedd, K., & Luciana, M. (2015). Neural networks involved in adolescent reward processing: An activation likelihood estimation meta-analysis of functional neuroimaging studies. *Neuroimage* , 122, 427–439.
<https://doi.org/10.1016/j.neuroimage.2015.07.083>

Silvers, J. A., McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N. (2012). Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence. *Emotion*, 12(6), 1235–1247. <https://doi.org/10.1037/a0028297>

Silvers, J. A., McRae, K., Gabrieli, J. D. E., Gross, J. J., Remy, K. A., & Ochsner, K. N. (2012). Age-related differences in emotional reactivity, regulation, and rejection sensitivity in adolescence. *Emotion* , 12(6), 1235–1247. <https://doi.org/10.1037/a0028297>

Silvers, J.A., Lumian, D.S., Gabard-Durnam, L., Gee, D.G., Goff, B., Fareri, D.S., Caldera, C., Flannery, J., Telzer, E.H., Humphreys, K., & Tottenham, N. (2016). Previous institutionalization is followed by broader amygdala-hippocampal-PFC network connectivity during aversive learning in human development. *Journal of Neuroscience* , 36, 6420-6430.
<https://doi.org/10.1523/JNEUROSCI.0038-16.2016>

Simon, P. D., Cu, S. M. O., De Jesus, K. E. M., Go, N. T. S., Lim, K. T. F., & Say, C. L. C. (2022). Worried about being imperfect? The mediating effect of physical appearance perfectionism between Instagram addiction and body esteem. *Personality and Individual Differences* , 186 , 111346.
<https://doi.org/10.1016/j.paid.2021.111346>

Sjöström, D. K., de Mendonca Lindström, T., Kapetanovic, S., & Claesdotter-Knutsson, E. (2024). Helpful or not? A qualitative study on female adolescents' experience of tiktok when recovering from anorexia nervosa. *The International Journal of Eating Disorders* , 57(11), 2217–2227. <https://doi.org/10.1002/eat.24265>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>International Journal of Eating Disorders</i>	Sjostrom	Lindstrom, Kapetanovic, & Claesdotter-Knutsson
2020	<i>Sex Roles</i>	Skowronski	Busching, Krahe
2021	<i>Journal of Media Psychology</i>	Skowronski	Busching, Krahe
2022	<i>Journal of Research on Adolescence</i>	Skymba, H.V.	Joyce, C.M., Telzer, E.H., & Rudolph, K.D.
2019	<i>Body Image</i>	Slater	Cole, Fardouly
2017	<i>Body Image</i>	Slater	Varsani, Diedrichs
2000	<i>Archives of general psychiatry</i>	Slutske, W. S.	Eisen, S., True, W. R., Lyons, M. J., Goldberg, J., & Tsuang, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Helpful or Not? A Qualitative Study on Female Adolescents' Experience of TikTok When Recovering From Anorexia Nervosa
Predicting Adolescents' Self-Objectification from Sexualized Video Game and Instagram Use: A Longitudinal Study
Links Between Exposure to Sexualized Instagram Images and Body Image Concerns in Girls and Boys
Peer adversity predicts interpersonal needs in adolescent girls
The effect of exposure to parodies of thin-ideal images on youngwomen's body image and mood
#fitspo or #loveyourself? The impact of fitspiration andself-compassion Instagram images on women's body image,self-compassion, and mood
Common genetic vulnerability for pathological gambling and alcohol dependence in men

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Sjöström, D.K., Lindström, T.D.M., Kapetanovic, S., & Claesdotter-Knutsson, E. (2024). Helpful or Not? A Qualitative Study on Female Adolescents' Experience of TikTok When Recovering From Anorexia Nervosa. <i>International Journal of Eating Disorders</i> , 57 (11). https://doi.org/10.1002/eat.24265
Skowronski, M., Busching, R., & Krahé, B. (2020). Predicting Adolescents' Self-Objectification from Sexualized Video Game and Instagram Use: A Longitudinal Study. <i>Sex Roles</i> , 84 . https://doi.org/10.1007/s11199-020-01187-1
Skowronski, M., Busching, R., & Krahé, B. (2021). Links Between Exposure to Sexualized Instagram Images and Body Image Concerns in Girls and Boys. <i>Journal of Media Psychology</i> , 34 (1), 1–8. https://doi.org/10.1027/1864-1105/a000296
Skymba, H.V., Joyce, C.M., Telzer, E.H., & Rudolph, K.D. (2022). Peer adversity predicts interpersonal needs in adolescent girls. <i>Journal of Research on Adolescence</i> , 32, 1566-1579. https://doi.org/10.1111/jora.12741
Slater, A., Cole, N., & Fardouly, J. (2019). The effect of exposure to parodies of thin-ideal images on young women's body image and mood. <i>Body Image</i> , 29 , 82–89. https://doi.org/10.1016/j.bodyim.2019.03.001
Slater, A., Varsani, N., & Diedrichs, P. C. (2017). #fitspo or #loveyourself? The impact of fitspiration and self-compassion Instagram images on women's body image, self-compassion, and mood. <i>Body Image</i> , 22 (22), 87–96. https://doi.org/10.1016/j.bodyim.2017.06.004
Slutske, W. S., Eisen, S., True, W. R., Lyons, M. J., Goldberg, J., & Tsuang, M. (2000). Common genetic vulnerability for pathological gambling and alcohol dependence in men. <i>Archives of general psychiatry</i> , 57(7), 666–673. https://doi.org/10.1001/archpsyc.57.7.666

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1992	<i>Journal of Comparative Neurology</i>	Smiley, J. F.	Williams, S. M., Szigeti, K., & Goldman-Rakic, P. S.
2015	<i>Developmental Cognitive Neuroscience</i>	Smith, A. R.	Steinberg, L., Strang, N., & Chein, J.
2018	<i>JAЕ</i>	Smith, H. E.	Blackburn, J. J., Stair, K. S., & Burnett, M. F.
2005	<i>Hippocampus</i>	Smith, M.	N/A
2024	<i>Body image</i>	Smith, O. E.	Mills, J. S., & Samson, L.
2024	<i>Body Image</i>	Smith	Mills, & Samson
2017	<i>Computers in Human Behavior</i>	Smith	Morgan, Monks
2023	<i>New Media & Society</i>	Smoktunowicz	Białobrzeska, Jakubik

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Light and electron microscopic characterization of dopamine-immunoreactive axons in human cerebral cortex.
Age differences in the impact of peers on adolescents' and adults' neural response to reward
Assessing the Effects of the Smartphone as a Learning Tool on the Academic Achievement of School-Based Agricultural Education Students in Louisiana
Bilateral hippocampal volume reduction in adults with post-traumatic stress disorder: a meta-analysis of structural MRI studies
Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women
Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women
Students' perceptions of the effect of social media ostracism on wellbeing
Posting photos that reflect positive aspects of everyday life on Instagram increases appreciation, life satisfaction, and happiness

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Smiley, J. F., Williams, S. M., Szigeti, K., & Goldman-Rakic, P. S. (1992). Light and electron microscopic characterization of dopamine-immunoreactive axons in human cerebral cortex. <i>Journal of Comparative Neurology</i> , 321(3), 325–335. https://doi.org/10.1002/cne.903210302
Smith, A. R., Steinberg, L., Strang, N., & Chein, J. (2015). Age differences in the impact of peers on adolescents' and adults' neural response to reward. <i>Developmental Cognitive Neuroscience</i> , 11, 75–82. https://doi.org/10.1016/j.dcn.2014.08.010
Smith, H. E., Blackburn, J. J., Stair, K. S., & Burnett, M. F. (2018). Assessing the Effects of the Smartphone as a Learning Tool on the Academic Achievement of School-Based Agricultural Education Students in Louisiana. <i>JAE</i> , 59(4), 270–285. https://doi.org/10.5032/jae.2018.04270
Smith, M. (2005). Bilateral hippocampal volume reduction in adults with post-traumatic stress disorder: a meta-analysis of structural MRI studies. <i>Hippocampus</i> , 15(6), 798–807. https://doi.org/10.1002/hipo.20102
Smith, O. E., Mills, J. S., & Samson, L. (2024). Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women. <i>Body image</i> , 49, 101715. https://doi.org/10.1016/j.bodyim.2024.101715
Smith, O. E., Mills, J. S., & Samson, L. (2024). Out of the loop: Taking a one-week break from social media leads to better self-esteem and body image among young women. <i>Body Image</i> , 49, 101715–101715. https://doi.org/10.1016/j.bodyim.2024.101715
Smith, R., Morgan, J., & Monks, C. (2017). Students' perceptions of the effect of social media ostracism on wellbeing. <i>Computers in Human Behavior</i> , 68, 276–285. https://doi.org/10.1016/j.chb.2016.11.041
Smoktunowicz, E., Białobrzaska, O., & Jakubik, Z. (2023). Posting photos that reflect positive aspects of everyday life on Instagram increases appreciation, life satisfaction, and happiness. <i>New Media & Society</i> , 27(3), 1336–1359. https://doi.org/10.1177/14614448231193092

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Routledge/Taylor & Francis Group</i>	Sofka, C.	N/A
2013	<i>Current Directions in Psychological Science</i>	Somerville, L. H.	N/A
2016	<i>Neuron</i>	Somerville, L. H.	N/A
2011	<i>Journal of Cognitive Neuroscience</i>	Somerville, L. H.	Hare, T. & Casey, B. J.
2013	<i>Psychological science</i>	Somerville, L. H.	Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J.
2000	<i>Neuroscience and Biobehavioral Reviews</i>	Spear, L. P.	N/A
2013	<i>The Journal of Adolescent Health</i>	Spear, L. P.	N/A
2021	<i>Cells</i>	Speranza, L.	Di Porzio, U., Viggiano, D., De Donato, A., & Volpicelli, F.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Grief, adolescents, and social media. In C. Arnold (Ed.), Understanding child and adolescent grief: Supporting loss and facilitating growth
Special issue on the teenage brain: Sensitivity to social evaluation
Searching for signatures of brain maturity: what are we searching for?
Frontostriatal maturation predicts cognitive control failure to appetitive cues in adolescents
The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence
The adolescent brain and age-related behavioral manifestations
Adolescent neurodevelopment
Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Sofka, C. (2018). Grief, adolescents, and social media. In C. Arnold (Ed.), *Understanding child and adolescent grief: Supporting loss and facilitating growth* (pp. 163–178). Routledge/Taylor & Francis Group.
<https://doi.org/10.4324/9781315164250-13>

Somerville, L. H. (2013). Special issue on the teenage brain: Sensitivity to social evaluation. *Current Directions in Psychological Science*, 22(2), 121–127.
<https://doi.org/10.1177/0963721413476512>

Somerville, L. H. (2016). Searching for signatures of brain maturity: what are we searching for? *Neuron*, 92(6), 1164–1167.
<https://doi.org/10.1016/j.neuron.2016.10.059>

Somerville, L. H., Hare, T., & Casey, B. J. (2011). Frontostriatal maturation predicts cognitive control failure to appetitive cues in adolescents. *Journal of Cognitive Neuroscience*, 23(9), 2123–2134. <https://doi.org/10.1162/jocn.2010.21572>

Somerville, L. H., Jones, R. M., Ruberry, E. J., Dyke, J. P., Glover, G., & Casey, B. J. (2013). The medial prefrontal cortex and the emergence of self-conscious emotion in adolescence. *Psychological science*, 24(8), 1554–1562.
<https://doi.org/10.1177/0956797613475633>

Spear, L. P. (2000). The adolescent brain and age-related behavioral manifestations. *Neuroscience and Biobehavioral Reviews*, 24(4), 417–463. [https://doi.org/10.1016/s0149-7634\(00\)00014-2](https://doi.org/10.1016/s0149-7634(00)00014-2)

Spear, L. P. (2013). Adolescent neurodevelopment. *The Journal of Adolescent Health*, 52(2 Suppl 2), S7-13.
<https://doi.org/10.1016/j.jadohealth.2012.05.006>

Speranza, L., Di Porzio, U., Viggiano, D., De Donato, A., & Volpicelli, F. (2021). Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control. *Cells*, 10(4), 735. <https://doi.org/10.3390/cells10040735>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Cells</i>	Speranza L.	di Porzio U, Viggiano D, de Donato A, Volpicelli F.
2010	<i>Neuroimage</i>	Spreng, R. N.	Stevens, W. D., Chamberlain, J. P., Gilmore, A. W., & Schacter, D. L.
1999	<i>Behavior Research Methods, Instruments, & Computers : A Journal of the Psychonomic Society, Inc</i>	Stanislaw, H.	Todorov, N.
2000	<i>Journal of Consulting and Clinical Psychology</i>	Stanton, A. L.	Danoff-Burg, S., Cameron, C. L., Bishop, M., Collins, C. A., Kirk, S. B., Sworowski, L. A., & Twillman, R.
2020	<i>Social Psychological and Personality Science</i>	Stavrova	Denissen

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control.
Default network activity, coupled with the frontoparietal control network, supports goal-directed cognition
Calculation of signal detection theory measures
Emotionally expressive coping predicts psychological and physical adjustment to breast cancer
Does Using Social Media Jeopardize Well-Being? The Importance of Separating Within-From Between-Person Effects

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Speranza, L., di Porzio, U., Viggiano, D., de Donato, A., & Volpicelli, F. (2021). Dopamine: The Neuromodulator of Long-Term Synaptic Plasticity, Reward and Movement Control. *Cells* , 10 (4), 735. <https://doi.org/10.3390/cells10040735>

Spreng, R. N., Stevens, W. D., Chamberlain, J. P., Gilmore, A. W., & Schacter, D. L. (2010). Default network activity, coupled with the frontoparietal control network, supports goal-directed cognition. *Neuroimage* , 53(1), 303–317. <https://doi.org/10.1016/j.neuroimage.2010.06.016>

Stanislaw, H., & Todorov, N. (1999). Calculation of signal detection theory measures. *Behavior Research Methods, Instruments, & Computers : A Journal of the Psychonomic Society, Inc.* , 31(1), 137–149. <https://doi.org/10.3758/BF03207704>

Stanton, A. L., Danoff-Burg, S., Cameron, C. L., Bishop, M., Collins, C. A., Kirk, S. B., Sworowski, L. A., & Twillman, R. (2000). Emotionally expressive coping predicts psychological and physical adjustment to breast cancer. *Journal of Consulting and*

Stavrova, O., & Denissen, J. (2020). Does Using Social Media Jeopardize Well-Being? The Importance of Separating Within-From Between-Person Effects. *Social Psychological and Personality Science*, 12(6), 964-973. <https://doi.org/10.1177/1948550620944304>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Journal of Psychopathology and Behavioral Assessment</i>	Steele	Khetawat, Christofferson, Hall
2024	N/A	Stein, D.	N/A
2019	<i>Psychology of Popular Media Culture</i>	Stein	Krause, Ohler
2024	<i>Journal of Experimental Psychology: General</i>	Stein	Scheufen, Appel
2008	<i>Developmental Review: DR</i>	Steinberg, L.	N/A
2009	<i>The American Psychologist</i>	Steinberg, L.	N/A
2007	<i>Developmental psychology</i>	Steinberg, L.	Monahan, K. C.
2001	<i>Annual review of psychology</i>	Steinberg, L.	Morris, A. S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Concurrent Validity of Self-Reported Social Media Use in Adolescents and Young Adults: Associations with Objective Data and Psychosocial Functioning
Fundamental Flaws in Meta-Analytical Review of Social Media Experiments
Every Instagram counts? Applying cultivation theory to explore the effects of Instagram on young users' body image
Recognizing the Beauty in Diversity: Exposure to Body-Positive Content on Social Media Broadens Women's Concept of Ideal Body Weight
A Social Neuroscience Perspective on Adolescent Risk-Taking
Should the science of adolescent brain development inform public policy?
Age differences in resistance to peer influence
Adolescent development

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Steele, R.G., Khetawat, D., Christofferson, J.L. <i>et al.</i> (2023). Concurrent Validity of Self-Reported Social Media Use in Adolescents and Young Adults: Associations with Objective Data and Psychosocial Functioning. <i>Journal of Psychopathology Behavioral Assessment</i> . 45, 97–108 (2023). https://doi.org/10.1007/s10862-022-10013-9
Stein, D. (2024, April 30). <i>Fundamental Flaws in Meta-Analytical Review of Social Media Experiments</i> . Substack.com; The Shores of Academia. https://shoresofacademia.substack.com/p/fatally-flawed-social-media-experiments
Stein, J.-P., Krause, E., & Ohler, P. (2019). Every (Insta)Gram counts? Applying cultivation theory to explore the effects of Instagram on young users’ body image. <i>Psychology of Popular Media Culture</i> , 10 (1), 87–97. https://doi.org/10.1037/ppm0000268
Stein, J.-P., Scheufen, S., & Appel, M. (2024). Recognizing the beauty in diversity: Exposure to body-positive content on social media broadens women’s concept of ideal body weight. <i>Journal of Experimental Psychology: General</i> , 153(11), 2642–2656. https://doi.org/10.1037/xge0001397
Steinberg, L. (2008). A Social Neuroscience Perspective on Adolescent Risk-Taking. <i>Developmental Review: DR</i> , 28(1), 78–106. https://doi.org/10.1016/j.dr.2007.08.002
Steinberg, L. (2009). Should the science of adolescent brain development inform public policy? <i>The American Psychologist</i> , 64(8), 739–750. https://doi.org/10.1037/0003-066X.64.8.739
Steinberg, L., & Monahan, K. C. (2007). Age differences in resistance to peer influence. <i>Developmental psychology</i> , 43(6), 1531.
Steinberg, L., & Morris, A. S. (2001). Adolescent development. <i>Annual review of psychology</i> , 52, 83–110. https://doi.org/10.1146/annurev.psych.52.1.83

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Computers in human behavior</i>	Steinsbekk, S.	Nesi, J. & Wichstrøm, L.
2023	<i>Computers in human behavior</i>	Steinsbekk, S.	Nesi, J., & Wichstrøm, L.
2023	<i>Computers in Human Behavior</i>	Steinsbekk	Nesi, Wichstrom
2020	<i>Body Image</i>	Stevens	Griffiths
2025	<i>Computets in Human Behavior</i>	Stevic	Koban, & Matthes
2022	<i>Body Image</i>	Stieger	Graf, Riegler, Biebl, Swami

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years
Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years.
Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10–16 years.
Body Positivity (#BoPo) in everyday life: An ecological momentaryassessment study showing potential benefits to individuals' bodyimage and emotional wellbeing
Tell me more: Longitudinal relationships between online self-disclosure, co-rumination, and psychological well-being
Engagement with social media content results in lower appearance satisfaction: An experience sampling study using a wrist-worn wearable and a physical analogue scale

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years. <i>Computers in human behavior</i> , 147, 107859. https://doi.org/10.1016/j.chb.2023.107859
Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10-16 years. <i>Computers in human behavior</i> , 147, 107859. https://doi.org/10.1016/j.chb.2023.107859
Steinsbekk, S., Nesi, J., & Wichstrøm, L. (2023). Social media behaviors and symptoms of anxiety and depression. A four-wave cohort study from age 10–16 years. <i>Computers in Human Behavior</i> , 147 , 107859–107859. https://doi.org/10.1016/j.chb.2023.107859
Stevens, A., & Griffiths, S. (2020). Body Positivity (#BoPo) in Everyday life: an Ecological Momentary Assessment Study Showing Potential Benefits to Individuals’ Body Image and Emotional Wellbeing. <i>Body Image</i> , 35 (1), 181–191. https://doi.org/10.1016/j.bodyim.2020.09.003
Stevic, A., Koban, K., & Matthes, J. (2025). Tell me more: Longitudinal relationships between online self-disclosure, co-rumination, and psychological well-being. <i>Computers in Human Behavior</i> , 165 , 108540. https://doi.org/10.1016/j.chb.2024.108540
Stieger, S., Graf, H. M., Riegler, S. P., Biebl, S., & Swami, V. (2022). Engagement with social media content results in lower appearance satisfaction: An experience sampling study using a wrist-worn wearable and a physical analogue scale. <i>Body Image</i> , 43 , 232–243. https://doi.org/10.1016/j.bodyim.2022.09.009

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>NeuroImage</i>	Su, C.	Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y.
2021	<i>Neuroimage</i>	Su, C.	Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y.
2019	<i>International Journal of Eating Disorders</i>	Sugimoto	Nishida, Ando, Usami, Toriyama, Morimoto, Koike, Yamsaki, Kanata, Fujikawa, Furukawa, Sasaki, Miraiwa-Hasegawa, Kasai
2002	<i>Current Directions in Psychological Science</i>	Suls, J.	Martin, R., & Wheeler, L.
2007	<i>Trends in Neurosciences</i>	Sulzer, D.	N/A
2021	<i>Addictive Behaviors</i>	Sun, Y.	Zhang, Y.
2022	<i>Current Psychology</i>	Sundvik	Davis

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area
Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area
Use of social networking sites and desire for slimness among 10-year-old girls and boys: A population-based birth cohort study
Social comparison: Why, with whom, and with what effect?
Multiple hit hypotheses for dopamine neuron loss in Parkinson's disease.
A review of theories and models applied in studies of social media addiction and implications for future research.
Social media stress and mental health: A brief report on the protective role of emotional intelligence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. <i>NeuroImage</i> , 237, 118136. https://doi.org/10.1016/j.neuroimage.2021.118136
Su, C., Zhou, H., Gong, L., Teng, B., Geng, F., & Hu, Y. (2021). Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. <i>Neuroimage</i> , 237, 118136. https://doi.org/10.1016/j.neuroimage.2021.118136
Sugimoto, N., Nishida, A., Ando, S., Usami, S., Toriyama, R., Morimoto, Y., Koike, S., Yamasaki, S., Kanata, S., Fujikawa, S., Furukawa, T. A., Sasaki, T., Hiraiwa-Hasegawa, M., & Kasai, K. (2019). Use of social networking sites and desire for slimness among 10-year-old girls and boys: A population-based birth cohort study. <i>International Journal of Eating Disorders</i> , 53 (2), 288–295. https://doi.org/10.1002/eat.23202
Suls, J., Martin, R., & Wheeler, L. (2002). Social comparison: Why, with whom, and with what effect? <i>Current Directions in Psychological Science</i> , 11(5), 159-163.
Sulzer, D. (2007). Multiple hit hypotheses for dopamine neuron loss in Parkinson’s disease. <i>Trends in Neurosciences</i> , 30(5), 244–250. https://doi.org/10.1016/j.tins.2007.03.009
Sun, Y., & Zhang, Y. (2021). A review of theories and models applied in studies of social media addiction and implications for future research. <i>Addictive Behaviors</i> , 114, 106699. https://doi.org/10.1016/j.addbeh.2020.106699
Sundvik, L. M. S., & Davis, S. K. (2022). Social media stress and mental health: A brief report on the protective role of emotional intelligence. <i>Current Psychology</i> , 42 (22). https://doi.org/10.1007/s12144-022-03035-9

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2007	<i>Trends in Neurosciences</i>	Surmeier, D. J.	Ding, J., Day, M., Wang, Z., & Shen, W.
2022	<i>BMC Public Health</i>	Svensson	Johnson, & Olsson
2011	<i>Archives of general psychiatry</i>	Swanson, S. A.	Crow, S. J., Le Grange, D., Swendsen, J., & Merikangas, K. R.
2021	<i>Journal of Youth and Adolescence</i>	Swirsky	Rosie, Xie
2017	<i>Computers in Human Behavior</i>	Symons, K.	Ponnet, K., Walrave, M., & Heirman, W.
2012	<i>Journal of Research on Adolescence</i>	Szwedo	Mikami, & Allen

Ex. B: Materials Considered List

Literature Review - Article NameTitle
D1 and D2 dopamine-receptor modulation of striatal glutamatergic signaling in striatal medium spiny neurons.
Does gender matter? The association between different digital media activities and adolescent well-being
Prevalence and correlates of eating disorders in adolescents: Results from the national comorbidity survey replication adolescent supplement.
Adjustment Correlates of Social Media Engagement Among Early Adolescents
A qualitative study into parental mediation of adolescents' internet use
Social Networking Site Use Predicts Changes in Young Adults' Psychological Adjustment

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Surmeier, D. J., Ding, J., Day, M., Wang, Z., & Shen, W. (2007). D1 and D2 dopamine-receptor modulation of striatal glutamatergic signaling in striatal medium spiny neurons. *Trends in Neurosciences*, 30(5), 228–235. <https://doi.org/10.1016/j.tins.2007.03.008>

Svensson, R., Johnson, B., & Olsson, A. (2022). Does gender matter? The association between different digital media activities and adolescent well-being. *BMC Public Health*, 22 (1). <https://doi.org/10.1186/s12889-022-12670-7>

Swanson, S. A., Crow, S. J., Le Grange, D., Swendsen, J., & Merikangas, K. R. (2011). Prevalence and correlates of eating disorders in adolescents. Results from the national comorbidity survey replication adolescent supplement. *Archives of general psychiatry*, 68 (7), 714–723. <https://doi.org/10.1001/archgenpsychiatry.2011.22>

Swirsky, J. M., Rosie, M., & Xie, H. (2021). Adjustment Correlates of Social Media Engagement Among Early Adolescents. *Journal of Youth and Adolescence*. <https://doi.org/10.1007/s10964-021-01421-3>

Symons, K., Ponnet, K., Walrave, M., & Heirman, W. (2017). A qualitative study into parental mediation of adolescents' internet use. *Computers in Human Behavior*, 73, 423–432. <https://doi.org/10.1016/j.chb.2017.04.004>

Szwedo, D. E., Mikami, A. Y., & Allen, J. P. (2012). Social Networking Site Use Predicts Changes in Young Adults' Psychological Adjustment. *Journal of Research on Adolescence*, 22 (3), 453–466. <https://doi.org/10.1111/j.1532-7795.2012.00788.x>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
1993	N/A	Taber , J.I.	N/A
2009	<i>Neuron</i>	Takahashi, Y. K.	Roesch, M. R., Stalnaker, T. A., Haney, R. Z., Calu, D. J., Taylor, A. R., Burke, K. A., & Schoenbaum, G.
2018	<i>Body Image</i>	Tamplin	McLean, Paxton
2021	<i>Clinical Psychology Review</i>	Tang	Werner-Seidler, A., Torok, M., Mackinnon, A. J., & Christensen, H.
2010	<i>Addiction</i>	Tao, R.	Huang, X., Wang, J., Zhang, H., Zhang, Y., & Li, M.
2013	<i>Journal of Behavioral Addictions</i>	Targhetta, R.	Nalpas, B., & Perney, P.
2016	<i>Neuroscience and Biobehavioral Reviews</i>	Tarokh, L.	Saletin, J. M. & Carskadon, M. A.
2017	<i>Sleep Health</i>	Tavernier, Heissel, Sladek, Grant, Adam	Tavernier, Heissel, Sladek, Grant, Adam

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Addictive behavior: An Informal Clinical View
The orbitofrontal cortex and ventral tegmental area are necessary for learning from unexpected outcomes
Social media literacy protects against the negative impact of exposure to appearance ideal social media images in young adult women but not men
The relationship between screen time and mental health in young people A systematic review
Proposed diagnostic criteria for internet addiction
Argentine tango: Another behavioral addiction?
Sleep in adolescence: Physiology, cognition and mental health
Adolescents' technology and face-to-face time use predict objective sleep outcomes

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Taber , J.I., (1993): Addictive behavior: An informal clinical view. In W.R. Eadington & J.A. Cornelius. Gambling behavior and problem gambling. Reno, NV: Institute for the study of gambling & Commercial Gaming, University of Nevada.
Takahashi, Y. K., Roesch, M. R., Stalnaker, T. A., Haney, R. Z., Calu, D. J., Taylor, A. R., Burke, K. A., & Schoenbaum, G. (2009). The orbitofrontal cortex and ventral tegmental area are necessary for learning from unexpected outcomes. <i>Neuron</i> , 62(2), 269–280. https://doi.org/10.1016/j.neuron.2009.03.005
Tamplin, N. C., McLean, S. A., & Paxton, S. J. (2018). Social media literacy protects against the negative impact of exposure to appearance ideal social media images in young adult women but not men. <i>Body Image</i> , 26 (1), 29–37. https://doi.org/10.1016/j.bodyim.2018.05.003
Tang, S., Werner-Seidler, A., Torok, M., Mackinnon, A. J., & Christensen, H. (2021). The relationship between screen time and mental health in young people: A systematic review of longitudinal studies. <i>Clinical Psychology Review</i> , 86 , 102021. https://doi.org/10.1016/j.cpr.2021.102021
Tao, R., Huang, X., Wang, J., Zhang, H., Zhang, Y., & Li, M. (2010). Proposed diagnostic criteria for internet addiction. <i>Addiction</i> (Abingdon, England), 105(3), 556–564. https://doi.org/10.1111/j.1360-0443.2009.02828.x
Targhetta, R., Nalpas, B., & Perney, P. (2013). Argentine tango: Another behavioral addiction? <i>Journal of Behavioral Addictions</i> , 2(3), 179–186. https://doi.org/10.1556/JBA.2.2013.007
Tarokh, L., Saletin, J. M., & Carskadon, M. A. (2016). Sleep in adolescence: Physiology, cognition and mental health. <i>Neuroscience and Biobehavioral Reviews</i> , 70, 182–188. https://doi.org/10.1016/j.neubiorev.2016.08.008
Tavernier, R., Heissel, J. A., Sladek, M. R., Grant, K. E., & Adam, E. K. (2017). Adolescents' technology and face-to-face time use predict objective sleep outcomes. <i>Sleep health</i> , 3 (4), 276–283. https://doi.org/10.1016/j.sleh.2017.04.005

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>Psychological Studies</i>	Taylor	Rose, Owen
2016	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	N/A
2015	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	Goldenberg, D., Fuligni, A. J., Lieberman, M. D., & Gálvan, A.
2018	<i>Developmental Cognitive Neuroscience</i>	Telzer, E. H.	McCormick, E. M., Peters, S., Cosme, D., Pfeifer, J. H., & van Duijvenvoorde, A. C. K.
2009	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Fuligni, A.J
2009	<i>Developmental Psychology</i>	Telzer, E.H.	Fuligni, A.J.
2013	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Fuligni, A.J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Effects of Viewing Body Positive Quotes on Body Satisfaction, Appreciation and Self-objectification
Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation.
Sleep variability in adolescence is associated with altered brain development
Methodological considerations for developmental longitudinal fMRI research
A longitudinal daily diary study of family assistance and academic achievement among adolescents from Mexican, Chinese, and European backgrounds
Daily family assistance and the psychological well being of adolescents from Latin American, Asian, and European backgrounds
Positive daily family interactions eliminate gender differences in internalizing symptoms during adolescence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Taylor, J., Rose, S. & Owen, A. (2023). Effects of Viewing Body Positive Quotes on Body Satisfaction, Appreciation and Self-objectification. *Psychological Studies*, 68, 554–562.
<https://doi.org/10.1007/s12646-023-00748-0>

Telzer, E. H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience*, 17, 57–67. <https://doi.org/10.1016/j.dcn.2015.10.010>

Telzer, E. H., Goldenberg, D., Fuligni, A. J., Lieberman, M. D., & Gálvan, A. (2015). Sleep variability in adolescence is associated with altered brain development. *Developmental Cognitive Neuroscience*, 14, 16–22.
<https://doi.org/10.1016/j.dcn.2015.05.007>

Telzer, E. H., McCormick, E. M., Peters, S., Cosme, D., Pfeifer, J. H., & van Duijvenvoorde, A. C. K. (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience*, 33, 149–160.
<https://doi.org/10.1016/j.dcn.2018.02.004>

Telzer, E.H. & Fuligni, A.J (2009). A longitudinal daily diary study of family assistance and academic achievement among adolescents from Mexican, Chinese, and European backgrounds. *Journal of Youth and Adolescence*, 38, 560-571.
<https://doi.org/10.1007/s10964-008-9391-7>

Telzer, E.H. & Fuligni, A.J. (2009). Daily family assistance and the psychological well being of adolescents from Latin American, Asian, and European backgrounds. *Developmental Psychology*, 45, 1177-1189. <https://doi.org/10.1037/a0014728>

Telzer, E.H. & Fuligni, A.J. (2013). Positive daily family interactions eliminate gender differences in internalizing symptoms during adolescence. *Journal of Youth and Adolescence*, 42, 1498-1511. <https://doi.org/10.1007/s10964-013-9964-y>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2009	<i>Hispanic Journal of Behavioral Sciences</i>	Telzer, E.H.	Vázquez-García, H.A.
2010	<i>Human Development</i>	Telzer, E.H.	N/A
2016	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	N/A
(in press)	<i>Edward Elgar Publishing</i>	Telzer, E.H.	Carranza, A.F.
2024	<i>Springer Press</i>	Telzer, E.H.	Maza, M.T†.
2022	<i>American Psychologist</i>	Telzer, E.H.	Dai, J†., Capella, J.J†., Sobrino, M†., & Garrett, S.L†.
(in press)	<i>Annual Review of Developmental Psychology</i>	Telzer, E.H.	Escalante, E., Jack, D., & Tsai, R.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Skin color and self perceptions of immigrant and U.S. born Latinas: The moderating role of racial socialization and ethnic identity
Expanding the acculturation gap-distress model: An integrative review of research
Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation
The adolescent brain in action: How neurodevelopment shapes youth engagement in social justice. In G. Carlo, D. Lapsley, & D. Laible (Eds). Handbook of the Developmental Science of Social Justice.
Social media and the developing brain. In G.J. Rich F., K. Kumar, & Farley (Eds). Handbook of Media Psychology – The Science and the Practice
Challenging stereotypes of teens: Reframing adolescence as a window of opportunity
How social and cultural processes shape adolescents: An Ecocultural Transactional Framework of Adolescent Brain Development

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Telzer, E.H. & Vázquez-García, H.A. (2009). Skin color and self perceptions of immigrant and U.S. born Latinas: The moderating role of racial socialization and ethnic identity. *Hispanic Journal of Behavioral Sciences* , 31, 357-374.
<https://doi.org/10.1177/07399863093336913>

Telzer, E.H. (2010). Expanding the acculturation gap-distress model: An integrative review of research. *Human Development* , 53, 313-340. <https://doi.org/10.1159/000322476>

Telzer, E.H. (2016). Dopaminergic reward sensitivity can promote adolescent health: A new perspective on the mechanism of ventral striatum activation. *Developmental Cognitive Neuroscience* , 17, 57-67. <https://doi.org/10.1016/j.dcn.2015.10.010>

Telzer, E.H., & Carranza, A.F. (in press). The adolescent brain in action: How neurodevelopment shapes youth engagement in social justice. In G. Carlo, D. Lapsley, & D. Laible (Eds). *Handbook of the Developmental Science of Social Justice*. Edward Elgar Publishing

Telzer, E.H., & Maza, M.T†. (2024). Social media and the developing brain. In G.J. Rich F., K. Kumar, & Farley (Eds). *Handbook of Media Psychology – The Science and the Practice*. Springer Press. <https://doi.org/10.1007/978-3-031-56537-3>

Telzer, E.H., Dai, J†., Capella, J.J†., Sobrino, M†., & Garrett, S.L†. (2022). Challenging stereotypes of teens: Reframing adolescence as a window of opportunity. *American Psychologist*, 77(9), 1067–1081. <https://doi.org/10.1037/amp0001109>

Telzer, E.H., Escalante, E., Jack, D., & Tsai, R. (in press). how social and cultural processes shape adolescents: An Ecocultural Transactional Framework of Adolescent Brain Development. *Annual Review of Developmental Psychology*.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Flannery, J., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N.
2013	<i>Journal of Neuroscience</i>	Telzer, E.H.	Flannery, J., Shapiro, M., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N.
2020	<i>Development and Psychopathology</i>	Telzer, E.H.	Fowler, C†., Davis, M.M†., & Rudolph, K.D.
2016	<i>Oxford University Press</i>	Telzer, E.H.	Fuligni, A.J. & Gálvan, A.
2013	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2013	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2014	<i>Proceedings of the National Academy of Sciences</i>	Telzer, E.H..	Fuligni, A.J., Lieberman, M.D, & Gálvan, A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
“The Cooties Effect”: Amygdala reactivity to opposite- versus same-sex faces declines from childhood to adolescence
Early experience shapes amygdala sensitivity to race: An international adoption design
Hungry for inclusion: Chronic peer victimization and heightened social monitoring in adolescent girls
Identifying a cultural resource: Neural correlates of familial influence on risk taking among Mexican-origin adolescents (pgs 209-222). In J.Y. Chiao, S-C Li, R. Seligman, & R. Turner (Eds). The Oxford Handbook of Cultural Neuroscience
Meaningful family relationships: Neurocognitive buffers of adolescent risk taking
Ventral striatum activation to prosocial rewards predicts longitudinal declines in adolescent risk taking
Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Telzer, E.H., Flannery, J., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N. (2015). "The Cooties Effect": Amygdala reactivity to opposite- versus same-sex faces declines from childhood to adolescence. *Journal of Cognitive Neuroscience*, 27, 1685-1696.
https://doi.org/10.1162/jocn_a_00813

Telzer, E.H., Flannery, J., Shapiro, M., Humphreys, K.L., Goff, B., Gabard-Durman, L., Gee, D.G., & Tottenham, N. (2013). Early experience shapes amygdala sensitivity to race: An international adoption design. *Journal of Neuroscience*, 33, 13484-13488.
<https://doi.org/10.1523/JNEUROSCI.1272-13.2013>

Telzer, E.H., Fowler, C†., Davis, M.M†., & Rudolph, K.D. (2020). Hungry for inclusion: Chronic peer victimization and heightened social monitoring in adolescent girls. *Development and Psychopathology*, 32, 1495-1508.
<https://doi.org/10.1017/S0954579419001433>

Telzer, E.H., Fuligni, A.J., & Gálvan, A. (2016). Identifying a cultural resource: Neural correlates of familial influence on risk taking among Mexican-origin adolescents (pgs 209-222). In J.Y. Chiao, S-C Li, R. Seligman, & R. Turner (Eds). *The Oxford Handbook of Cultural Neuroscience*. Oxford University Press, New York, NY.
<https://doi.org/10.1093/oxfordhb/9780199357376.013.15>

Telzer, E.H., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2013). Meaningful family relationships: Neurocognitive buffers of adolescent risk taking. *Journal of Cognitive Neuroscience*, 25, 374-387. https://doi.org/10.1162/jocn_a_00331

Telzer, E.H., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2013). Ventral striatum activation to prosocial rewards predicts longitudinal declines in adolescent risk taking. *Developmental Cognitive Neuroscience*, 3, 45-52.
<https://doi.org/10.1016/j.dcn.2012.08.004>

Telzer, E.H., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2014). Neural sensitivity to eudaimonic and hedonic rewards differentially predict adolescent depressive symptoms over time. *Proceedings of the National Academy of Sciences*, 111, 6600-6605. <https://doi.org/10.1073/pnas.1323014111>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Social Cognitive Affective Neuroscience</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D, Miernicki, M.E†., & Gálvan, A.
2013	<i>NeuroImage</i>	Telzer, E.H.	Fuligni, A.J., Lieberman, M.D., & Gálvan, A.
2015	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	Goldenberg, D., Fuligni, A.J., Lieberman, M.D, & Gálvan, A.
2014	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Gonzales, N. & Fuligni, A.J.
2013	<i>Journal of Cognitive Neuroscience</i>	Telzer, E.H.	Humphreys, K.L., Shapiro, M., & Tottenham, N.L
2015	<i>Social Cognitive Affective Neuroscience</i>	Telzer, E.H.	Ichien, N.I†. & Qu, Y†.
2015	<i>NeuroImage</i>	Telzer, E.H.	Ichien, N.I†. & Qu, Y†.
2021	<i>Child Development</i>	Telzer, E.H.	Jorgensen, N.A†., Prinstein, M.J., & Lindquist, K.A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The quality of adolescents' peer relationships modulates neural sensitivity to risk taking
The effects of poor quality sleep on brain function during risk taking in adolescence
Sleep variability in adolescence is associated with altered brain development
Family obligation values and family assistance behaviors: Protective and risk factors for adolescent substance use
Amygdala sensitivity to race is not present in childhood but emerges over adolescence
Mothers know best: Redirecting adolescent reward sensitivity to promote safe behavior during risk taking
The ties that bind: Group membership shapes the neural correlates of ingroup favoritism
Neurobiological sensitivity to social rewards and punishments moderates link between peer norms and adolescent risk taking

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Telzer, E.H., Fuligni, A.J., Lieberman, M.D, Miernicki, M.E†., & Gálvan, A. (2015). The quality of adolescents' peer relationships modulates neural sensitivity to risk taking. <i>Social Cognitive Affective Neuroscience</i> , 10, 389-398. https://doi.org/10.1093/scan/nsu064</p>
<p>Telzer, E.H., Fuligni, A.J., Lieberman, M.D., & Gálvan, A. (2013). The effects of poor quality sleep on brain function during risk taking in adolescence. <i>NeuroImage</i> , 71, 275-283. https://doi.org/10.1016/j.neuroimage.2013.01.025</p>
<p>Telzer, E.H., Goldenberg, D., Fuligni, A.J., Lieberman, M.D, & Gálvan, A. (2015). Sleep variability in adolescence is associated with altered brain development. <i>Developmental Cognitive Neuroscience</i> , 14, 16-22. https://doi.org/10.1016/j.dcn.2015.05.007</p>
<p>Telzer, E.H., Gonzales, N., & Fuligni, A.J. (2014). Family obligation values and family assistance behaviors: Protective and risk factors for adolescent substance use. <i>Journal of Youth and Adolescence</i> . 43, 270-283. https://doi.org/10.1007/s10964-013-9941-5</p>
<p>Telzer, E.H., Humphreys, K.L., Shapiro, M., & Tottenham, N.L (2013). Amygdala sensitivity to race is not present in childhood but emerges over adolescence. <i>Journal of Cognitive Neuroscience</i> , 25, 234-244. https://doi.org/10.1162/jocn_a_00311</p>
<p>Telzer, E.H., Ichien, N.I†., & Qu, Y†. (2015). Mothers know best: Redirecting adolescent reward sensitivity to promote safe behavior during risk taking. <i>Social Cognitive Affective Neuroscience</i> , 10, 1383-1391. https://doi.org/10.1093/scan/nsv026</p>
<p>Telzer, E.H., Ichien, N.I†., & Qu, Y†. (2015). The ties that bind: Group membership shapes the neural correlates of ingroup favoritism. <i>NeuroImage</i> , 115, 42-51. https://doi.org/10.1016/j.neuroimage.2015.04.035</p>
<p>Telzer, E.H., Jorgensen, N.A†., Prinstein, M.J., & Lindquist, K.A. (2021). Neurobiological sensitivity to social rewards and punishments moderates link between peer norms and adolescent risk taking. <i>Child Development</i> , 92, 731-745. https://doi.org/10.1111/cdev.13466</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>American Psychological Association.</i>	Telzer, E.H.	Kwon, S†. & Jorgensen, N.A†.
2010	<i>Social Neuroscience</i>	Telzer, E.H.	Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J.
2011	<i>NeuroImage</i>	Telzer, E.H.	Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J.
2018	<i>Developmental Cognitive Neuroscience</i>	Telzer, E.H.	McCormick, E.M†., Peters, S., Cosme, D., Pfeifer, P.H., & A.C.K., van Duijvenvoorde
2018	<i>Development and Psychopathology</i>	Telzer, E.H.	Miernicki, M.E†. & Rudolph, K.
2008	<i>Biological Psychology</i>	Telzer, E.H.	Mogg, K., Bradley, B.P., Mai, X., Ernst, M., Pine, D.S., & Monk, C.S.
2017	<i>NeuroImage</i>	Telzer, E.H.	Qu, Y†. & Lin, L†.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Neurobiological development in adolescence and early adulthood: Implications for positive youth adjustment. In L. Crockett, G. Carlo, & J. Schulenberg (Eds). APA Handbook of Adolescent and Young Adult Development
Gaining while giving: An fMRI study of the rewards of family assistance among White and Latino youth
Neural regions involved in self-control and mentalizing are recruited during prosocial decisions towards the family
Methodological considerations for developmental longitudinal fMRI research
Chronic peer victimization heightens neural sensitivity to risk taking
Relationship between trait anxiety, prefrontal cortex, and attention bias to angry faces in children and adolescents
Neural processes underlying cultural differences in cognitive persistence

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Telzer, E.H., Kwon, S†., & Jorgensen, N.A†. (2022). Neurobiological development in adolescence and early adulthood: Implications for positive youth adjustment. In L. Crockett, G. Carlo, & J. Schulenberg (Eds). APA Handbook of Adolescent and Young Adult Development. American Psychological Association. <https://doi.org/10.1037/0000298-000>

Telzer, E.H., Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J. (2010). Gaining while giving: An fMRI study of the rewards of family assistance among White and Latino youth. *Social Neuroscience* , 5, 508-518. <https://doi.org/10.1080/17470911003687913>

Telzer, E.H., Masten, C.L., Berkman, E.T., Lieberman, M.D., & Fuligni A.J. (2011). Neural regions involved in self-control and mentalizing are recruited during prosocial decisions towards the family. *NeuroImage* , 58, 242-249. <https://doi.org/10.1016/j.neuroimage.2011.06.013>

Telzer, E.H., McCormick, E.M†., Peters, S., Cosme, D., Pfeifer, P.H., & A.C.K., van Duijvenvoorde (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience* , 33, 149-160. <https://doi.org/10.1016/j.dcn.2018.02.004>. Special Issue on Methodological Challenges in Developmental Neuroimaging

Telzer, E.H., Miernicki, M.E†., & Rudolph, K. (2018). Chronic peer victimization heightens neural sensitivity to risk taking. *Development and Psychopathology* , 30, 13-26. <https://doi.org/10.1017/S0954579417000438>

Telzer, E.H., Mogg, K., Bradley, B.P., Mai, X., Ernst, M., Pine, D.S., & Monk, C.S. (2008). Relationship between trait anxiety, prefrontal cortex, and attention bias to angry faces in children and adolescents. *Biological Psychology*, 79, 216-222. <https://doi.org/10.1016/j.biopsycho.2008.05.004>

Telzer, E.H., Qu, Y†., & Lin, L†. (2017). Neural processes underlying cultural differences in cognitive persistence. *NeuroImage* , 156, 224-231. <https://doi.org/10.1016/j.neuroimage.2017.05.034>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>Frontiers in Human Neuroscience</i>	Telzer, E.H.	Qu, Y†., Goldenberg, D., Fuligni, A.J., Gálvan, A. & Lieberman, M.D.
2017	<i>Current Addiction Reports</i>	Telzer, E.H.	Rogers, C.R†. & van Hoorn, J†.
2015	<i>Developmental Psychology</i>	Telzer, E.H.	Tsai, K.M., Gonzales, N., & Fuligni, A.J.
2018	<i>Advances in Child Development and Behavior</i>	Telzer, E.H.	van Hoorn, J†., Rogers, C.R†. & Do, K.T†.
2016	<i>Journal of Youth and Adolescence</i>	Telzer, E.H.	Yuen, C.X†., Gonzales, N.A., & Fuligni, A.J.
2014	<i>Journal of Adolescence</i>	Teppersa	Luyckxa, Klimstrab, & Goossens
2004	<i>Addiction Research & Theory</i>	Terry, A.	Terry, A., Szabo, A., & Griffiths, M.
2021	<i>Journal of Social and Clinical Psychology</i>	Thai, H.	Davis, C. G., Stewart, N., Gunnell, K. E., & Goldfield, G. S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescents' emotional competence is associated with their parent's neural sensitivity to emotions
Neural correlates of social influence on risk taking and substance use in adolescents
Mexican-American adolescents' family obligation values and behaviors: Links to internalizing symptoms across time and family context
Social influence on positive youth development: A developmental neuroscience perspective
Filling gaps in the acculturation gap-distress model: Heritage cultural maintenance and adjustment in Mexican-American adolescents
Loneliness and Facebook motives in adolescence: A longitudinal inquiry into directionality of effect
THE EXERCISE ADDICTION INVENTORY: A NEW BRIEF SCREENING TOOL.
The Effects of Reducing Social Media Use on Body Esteem Among Transitional-Aged Youth

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Telzer, E.H., Qu, Y†., Goldenberg, D., Fuligni, A.J., Gálvan, A. & Lieberman, M.D. (2014). Adolescents’ emotional competence is associated with their parent’s neural sensitivity to emotions. <i>Frontiers in Human Neuroscience</i> , 8, 1-12. Special Issue Human Explanation: Psychology, Computation, and Neuroscience. https://doi.org/10.3389/fnhum.2014.00558</p>
<p>Telzer, E.H., Rogers, C.R†., & van Hoorn, J†. (2017). Neural correlates of social influence on risk taking and substance use in adolescents. <i>Current Addiction Reports</i> , 4, 333-341. https://doi.org/10.1007/s40429-017-0164-9</p>
<p>Telzer, E.H., Tsai, K.M., Gonzales, N., & Fuligni, A.J. (2015). Mexican-American adolescents’ family obligation values and behaviors: Links to internalizing symptoms across time and family context. <i>Developmental Psychology</i> , 51, 75-86. https://doi.org/10.1037/a0038434</p>
<p>Telzer, E.H., van Hoorn, J†., Rogers, C.R†. & Do, K.T†. (2018). Social influence on positive youth development: A developmental neuroscience perspective. <i>Advances in Child Development and Behavior</i>, 54, 215-258. https://doi.org/10.1016/bs.acdb.2017.10.003</p>
<p>Telzer, E.H., Yuen, C.X†., Gonzales, N.A., & Fuligni, A.J. (2016). Filling gaps in the acculturation gap-distress model: Heritage cultural maintenance and adjustment in Mexican-American adolescents. <i>Journal of Youth and Adolescence</i> , 45, 1412-1425. https://doi.org/10.1007/s10964-015-0408-8</p>
<p>Teppers, E., Luyckx, K., A. Klimstra, T., & Goossens, L. (2014). Loneliness and Facebook motives in adolescence: A longitudinal inquiry into directionality of effect. <i>Journal of Adolescence</i> , 37 (5), 691–699. https://doi.org/10.1016/j.adolescence.2013.11.003</p>
<p>Terry, A., Szabo, A., & Griffiths, M. (2004). THE EXERCISE ADDICTION INVENTORY: A NEW BRIEF SCREENING TOOL.</p>
<p>Thai, H., Davis, C. G., Stewart, N., Gunnell, K. E., & Goldfield, G. S. (2021). The Effects of Reducing Social Media Use on Body Esteem Among Transitional-Aged Youth. <i>Journal of Social and Clinical Psychology</i> , 40 (6), 481–507. https://doi.org/10.1521/jscp.2021.40.6.481</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2010	<i>Child Development</i>	Thomaes, S.	Reijntjes, A., Orobio de Castro, B., Bushman, B. J., Poorthuis, A., & Telch, M. J.
2023	<i>Journal of Youth and Adolescence</i>	Thomas	Jing, Chen, Crawford
2020	<i>Psychology of Popular Media</i>	Thomas	Balzer Carr, Azmitia, & Whittaker
2011	<i>Journal of Child Psychology and Psychiatry, and Allied Disciplines</i>	Thomason, M. E.	Hamilton, J. P. & Gotlib, I. H.
2001	<i>The American Psychologist</i>	Thompson, R. A.	Nelson, C. A.
2021	<i>Journal of Behavioral Addictions</i>	Thomson, K.	Hunter, S. C., Butler, S. H., & Robertson, D. J.
2025	<i>Psychology of Popular Media</i>	Thrul	Devkota, J., AlJuboori, D., Regan, T., Alomairah, S., Vidal, C.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
I like me if you like me: on the interpersonal modulation and regulation of preadolescents' state self-esteem
Taking the good with the bad?: Social Media and Online Racial Discrimination Influences on Psychological and Academic Functioning in Black and Hispanic Youth
Alone and Online: Understanding the Relationships Between Social Media, Solitude, and Psychological Adjustment.
Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents
Developmental science and the media. Early brain development
Social media 'addiction': The absence of an attentional bias to social media stimuli.
re-print) Social media reduction or abstinence interventions are providing mental health benefits – reanalysis of a published meta-analysis

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Thomaes, S., Reijntjes, A., Orobio de Castro, B., Bushman, B. J., Poorthuis, A., & Telch, M. J. (2010). I like me if you like me: on the interpersonal modulation and regulation of preadolescents' state self-esteem. <i>Child Development</i> , 81(3), 811–825. https://doi.org/10.1111/j.1467-8624.2010.01435.x
Thomas, A., Jing, M., Chen, HY. <i>et al.</i> (2023). Taking the good with the bad?: Social Media and Online Racial Discrimination Influences on Psychological and Academic Functioning in Black and Hispanic Youth. <i>J Youth Adolescence</i> , 52. 245–257 https://doi.org/10.1007/s10964-022-01689-z
Thomas, V., Balzer Carr, B., Azmitia, M., & Whittaker, S. (2020). Alone and online: Understanding the relationships between social media, solitude, and psychological adjustment. <i>Psychology of Popular Media</i> , 10(2). https://doi.org/10.1037/ppm0000287
Thomason, M. E., Hamilton, J. P., & Gotlib, I. H. (2011). Stress-induced activation of the HPA axis predicts connectivity between subgenual cingulate and salience network during rest in adolescents. <i>Journal of Child Psychology and Psychiatry, and Allied Disciplines</i> , 52(10), 1026–1034. https://doi.org/10.1111/j.1469-7610.2011.02422.x
Thompson, R. A., & Nelson, C. A. (2001). Developmental science and the media. Early brain development. <i>The American Psychologist</i> , 56(1), 5–15. https://doi.org/10.1037/0003-066x.56.1.5
Thomson, K., Hunter, S. C., Butler, S. H., & Robertson, D. J. (2021). Social media ‘addiction’: The absence of an attentional bias to social media stimuli. <i>Journal of Behavioral Addictions</i> , 10(2), 302–313. https://doi.org/10.1556/2006.2021.00011
Thrul, J., Devkota, J., AlJuboori, D., Regan, T., Alomairah, S., & Vidal, C. (2025). Social media reduction or abstinence interventions are providing mental health benefits—Reanalysis of a published meta-analysis. <i>Psychology of Popular Media</i> , 14(2), 207–209. https://doi.org/10.1037/ppm0000574

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>New Media & Society</i>	Tiggemann	Anderberg
2014	<i>The Journal of Early Adolescence</i>	Tiggemann M.	Slater A.
2017	<i>International Journal of Eating Disorders</i>	Tiggemann	Slater
2020	<i>Body Image</i>	Tiggemann	Velissaris
2015	<i>Body Image</i>	Tiggemann	Zaccardo
2018	<i>Journal of Health Psychology</i>	Tiggemann	Zaccardo
2019	<i>Body Image</i>	Tiggemann	Zinoviev
2020	<i>Body Image</i>	Tiggemann	Anderberg, Brown
2020	<i>Body Image</i>	Tiggemann, M.	Anderberg, I. & Brown, Z.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social media is not real: The effect of 'Instagram vs reality' images on women's social comparison and body image
Nettweens: The internet and body image concerns in preteenage girls.
Facebook and Body Image Concern in Adolescent Girls: A Prospective Study
The effect of viewing challenging "reality check" Instagram commentson women's body image
"Exercise to be fit, not skinny": The effect of fitspiration imagery on women's body image
'Strong is the new skinny': A content analysis of #fitspiration images on Instagram
The effect of #enhancement-free Instagram images and hashtags on women's body image
#Loveyourbody: The effect of body positive Instagram captions onwomen's body image
Uploading your best self: Selfie editing and body dissatisfaction

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Tiggemann, M., & Anderberg, I. (2019). Social media is not real: The effect of 'Instagram vs reality' images on women's social comparison and body image. <i>New Media & Society</i> , 22(12), 2183-2199. https://doi.org/10.1177/1461444819888720
Tiggemann, M., & Slater, A. (2014). Netweens: The internet and body image concerns in preteenage girls. <i>The Journal of Early Adolescence</i> , 34(5), 606–620. https://doi.org/10.1177/0272431613501083
Tiggemann, M., & Slater, A. (2017). Facebook and body image concern in adolescent girls: A prospective study. <i>The International journal of eating disorders</i> , 50 (1), 80–83. https://doi.org/10.1002/eat.22640
Tiggemann, M., & Velissaris, V. G. (2020). The effect of viewing challenging “reality check” Instagram comments on women's body image. <i>Body Image</i> , 33, 257–263. https://doi.org/10.1016/j.bodyim.2020.04.004
Tiggemann, M., & Zaccardo, M. (2015). “Exercise to Be fit, Not skinny”: the Effect of Fitspiration Imagery on women's Body Image. <i>Body Image</i> , 15 (1), 61–67. https://doi.org/10.1016/j.bodyim.2015.06.003
Tiggemann, M., & Zaccardo, M. (2018). “Strong is the new skinny”: A content analysis of #fitspiration images on instagram. <i>Journal of Health Psychology</i> , 23 (8), 1003–1011. https://doi.org/10.1177/1359105316639436
Tiggemann, M., & Zinoviev, K. (2019). The effect of #enhancement-free Instagram images and hashtags on women's body image. <i>Body Image</i> , 31, 131–138. https://doi.org/10.1016/j.bodyim.2019.09.004
Tiggemann, M., Anderberg, I., & Brown, Z. (2020). #Loveyourbody: The effect of body positive Instagram captions on women's body image. <i>Body Image</i> , 33, 129–136. https://doi.org/10.1016/j.bodyim.2020.02.015
Tiggemann, M., Anderberg, I., & Brown, Z. (2020). Uploading your best self: Selfie editing and body dissatisfaction. <i>Body Image</i> , 33, 175–182. https://doi.org/10.1016/j.bodyim.2020.03.002

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Body Image</i>	Tiggemann	Hayden, Brown, Veldhuis
2020	<i>Journal of Adolescence</i>	Timeo	Riva, Paladino
2012	<i>Cold Spring Harbor perspectives in medicine</i>	Ting-A-Kee, R.	van der Kooy, D.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Toenders, Y. J.	Dorsman, H., van der Crujsen, R., & Crone, E. A.
2024	<i>Psychological Topics</i>	Topic	Brajsa-Zganec, Kucar, Dzida, & Brkljacic
2022	N/A	Toth, D.	N/A
2016	<i>Neuroscience and Biobehavioral Reviews</i>	Tottenham, N.	Galván, A.
2009	<i>Frontiers in Human Neuroscience</i>	Tottenham, N.	Sheridan, M. A.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The effect of Instagram “likes” on women’s social comparison andbody dissatisfaction
Being liked or not being liked: A study on social-media exclusion in a preadolescent population
The neurobiology of opiate motivation
Developing body estimation in adolescence is associated with neural regions that support self-concept
Is There a Longitudinal Effect of Different Types of Digital Technology Use on Preadolescents’ Subjective Well-Being?
Ohio Principals with Students in Grades 6 through 12 and Their Perceptions and Procedures on Student Cell Phone Usewithin Their Schools [Doctoral dissertation]
Stress and the adolescent brain: Amygdala-prefrontal cortex circuitry and ventral striatum as developmental targets
A review of adversity, the amygdala and the hippocampus: a consideration of developmental timing

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Tiggemann, M., Hayden, S., Brown, Z., & Veldhuis, J. (2018). The effect of Instagram “likes” on women’s social comparison and body dissatisfaction. <i>Body Image</i> , 26 (1), 90–97. https://doi.org/10.1016/j.bodyim.2018.07.002
Timeo, S., Riva, P., & Paladino, M. P. (2020). Being liked or not being liked: A study on social-media exclusion in a preadolescent population. <i>Journal of Adolescence</i> , 80 , 173–181. https://doi.org/10.1016/j.adolescence.2020.02.010
Ting-A-Kee, R., & van der Kooy, D. (2012). The neurobiology of opiate motivation. <i>Cold Spring Harbor perspectives in medicine</i> , 2(10), a012096. https://doi.org/10.1101/cshperspect.a012096
Toenders, Y. J., Dorsman, H., van der Crujsen, R., & Crone, E. A. (2024). Developing body estimation in adolescence is associated with neural regions that support self-concept. <i>Social Cognitive and Affective Neuroscience</i> , 19(1). https://doi.org/10.1093/scan/nsae042
Topić, M.K., Brajša-Žganec, A., Kućar, M., Džida, M., & Brkljačić, T. (2024). Is There a Longitudinal Effect of Different Types of Digital Technology Use on Preadolescents’ Subjective Well-Being? <i>Psihologijske Teme</i> , 33 (1), 1–23. https://doi.org/10.31820/pt.33.1.1
Toth, D. (2022). Ohio Principals with Students in Grades 6 through 12 and Their Perceptions and Procedures on Student Cell Phone Use within Their Schools [Doctoral dissertation]. Youngstown State University.
Tottenham, N., & Galván, A. (2016). Stress and the adolescent brain: Amygdala-prefrontal cortex circuitry and ventral striatum as developmental targets. <i>Neuroscience and Biobehavioral Reviews</i> , 70, 217–227. https://doi.org/10.1016/j.neubiorev.2016.07.030
Tottenham, N., & Sheridan, M. A. (2009). A review of adversity, the amygdala and the hippocampus: a consideration of developmental timing. <i>Frontiers in Human Neuroscience</i> , 3, 68. https://doi.org/10.3389/neuro.09.068.2009

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2010	<i>Developmental Science</i>	Tottenham, N.	Hare, T. A., Quinn, B. T., McCarry, T. W., Nurse, M., Gilhooly, T., Millner, A., Galvan, A., Davidson, M. C., Eigsti, I.-M., Thomas, K. M., Freed, P. J., Booma, E. S., Gunnar, M. R., Altemus, M., Aronson, J., & Casey, B. J.
2012	<i>Developmental Science</i>	Tottenham, N.L.	Shapiro, M., Telzer, E.H., & Humphreys, K.
2021	N/A	Tran, A.	N/A
2024	<i>PPM</i>	Trekels	N/A
2024	<i>Cyberpsychology, Behavior and Social Networking</i>	Trekels, J.	Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H.
2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Trekels, J.	Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H.
2018	<i>Computers in Human Behavior</i>	Trekels	Ward, Eggermont

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Prolonged institutional rearing is associated with atypically large amygdala volume and difficulties in emotion regulation
Amygdala response to mother
Perceptions of the Influence of Cell Phones and Social Media Usage on Students' Academic Performance [Doctoral dissertation]
From Filters to Body Positivity: Opposing Social Media Messages and Adolescent Body Image
Dispositional and social correlates of digital status seeking among adolescents
Dispositional and social correlates of digital status seeking among adolescents
I "like" the way you look: How appearance-focused and overall Facebook use contribute to adolescents' self-sexualization

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Tottenham, N., Hare, T. A., Quinn, B. T., McCarry, T. W., Nurse, M., Gilhooly, T., Millner, A., Galvan, A., Davidson, M. C., Eigsti, I.-M., Thomas, K. M., Freed, P. J., Booma, E. S., Gunnar, M. R., Altemus, M., Aronson, J., & Casey, B. J. (2010). Prolonged institutional rearing is associated with atypically large amygdala volume and difficulties in emotion regulation. *Developmental Science* , 13(1), 46–61. <https://doi.org/10.1111/j.1467-7687.2009.00852.x>

Tottenham, N.L., Shapiro, M., Telzer, E.H., & Humphreys, K. (2012). Amygdala response to mother. *Developmental Science* , 15, 307-315. <https://doi.org/10.1111/j.1467-7687.2011.01128.x>

Tran, A. (2021). Perceptions of the Influence of Cell Phones and Social Media Usage on Students' Academic Performance [Doctoral dissertation]. San Jose State University.

Trekels, J. (2024). From filters to body positivity: Opposing social media messages and adolescent body image. *Psychology of Popular Media*. Advance online publication. <https://doi.org/10.1037/ppm0000565>

Trekels, J., Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H. (2024). Dispositional and social correlates of digital status seeking among adolescents. *Cyberpsychology, Behavior and Social Networking* , 27(3), 187–193. <https://doi.org/10.1089/cyber.2023.0342>

Trekels, J., Nesi, J., Burnell, K., Prinstein, M. J., & Telzer, E. H. (2024). Dispositional and social correlates of digital status seeking among adolescents. *Cyberpsychology, Behavior, and Social Networking*, 27 , 187-193.

Trekels, J., Ward, L. M., & Eggermont, S. (2018). I “like” the way you look: How appearance-focused and overall Facebook use contribute to adolescents' self-sexualization. *Computers in Human Behavior* , 81 , 198–208. <https://doi.org/10.1016/j.chb.2017.12.020>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
(in press)	<i>Journal of Communication</i>	Trekels, J†.	Telzer, E.H.
2024	<i>Social Cognitive and Affective Neuroscience</i>	Trekels, J†.	Maza, M.T†., Capella, J†., Jorgensen, N.A†., Kwon, SJ†., Lindquist, K.A., Prinstein, M.J. & Telzer, E.H.
2024	<i>Cyberpsychology, Behavior, and Social Networking</i>	Trekels, J†.	Nesi, J., Burnell, K., Prinstein, M.J., & Telzer, E.H.
2022	N/A	Tricoli, M.	N/A
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Tromholt, M.	N/A
2013	<i>Child Development</i>	Tsai, K.M.	Telzer, E.H. & Fuligni, A.J.
2013	<i>Journal of Marriage and Family</i>	Tsai, K.M.	Telzer, E.H., Gonzales, N., & Fuligni, A.J.
2015	<i>Child Development</i>	Tsai, K.M.	Telzer, E.H., Gonzales, N., & Fuligni, A.J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
The Swiss Cheese Model of Social Cues: A theoretical perspective on the role of social context in shaping social media's effect on adolescent well-being
Diverse social media experiences and adolescents' depressive symptoms: The moderating role of neurobiological sensitivity to rejected peers
Dispositional and social correlates of digital status seeking among adolescents
Teacher Perceptions of Cell Phone Use During the Instructional School Day [Doctoral dissertation]
The Facebook Experiment: Quitting Facebook Leads to Higher Levels of Well-Being
Continuity and discontinuity in perceptions of family relationships from adolescent to young adulthood
Adolescents' daily assistance to the family in response to maternal need
Parental cultural socialization of Mexican-American adolescents' family obligation values and behaviors

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Trekels, J†. & Telzer, E.H. (in press). The Swiss Cheese Model of Social Cues: A theoretical perspective on the role of social context in shaping social media's effect on adolescent well-being. <i>Journal of Communication</i> .
Trekels, J†., Maza, M.T†., Capella, J†., Jorgensen, N.A†., Kwon, SJ†., Lindquist, K.A., Prinstein, M.J. & Telzer, E.H. (2024). Diverse social media experiences and adolescents' depressive symptoms: The moderating role of neurobiological sensitivity to rejected peers. <i>Social Cognitive and Affective Neuroscience</i> , 19(1), nsae070. https://doi.org/10.1093/scan/nsae070
Trekels, J†., Nesi, J., Burnell, K., Prinstein, M.J., & Telzer, E.H. (2024). Dispositional and social correlates of digital status seeking among adolescents. <i>Cyberpsychology, Behavior, and Social Networking</i> , 187-193. https://doi.org/10.1089/cyber.2023.0342
Tricoli, M. (2022). Teacher Perceptions of Cell Phone Use During the Instructional School Day [Doctoral dissertation]. St. John's University.
Tromholt, M. (2016). The Facebook Experiment: Quitting Facebook Leads to Higher Levels of Well-Being. <i>Cyberpsychology, Behavior, and Social Networking</i> , 19(11), 661–666. https://doi.org/10.1089/cyber.2016.0259
Tsai, K.M., Telzer, E.H., & Fuligni, A.J. (2013). Continuity and discontinuity in perceptions of family relationships from adolescent to young adulthood. <i>Child Development</i> , 84, 471-484. https://doi.org/10.1111/j.1467-8624.2012.01858.x
Tsai, K.M., Telzer, E.H., Gonzales, N., & Fuligni, A.J. (2013). Adolescents' daily assistance to the family in response to maternal need. <i>Journal of Marriage and Family</i> , 75, 964-980. https://doi.org/10.1111/jomf.12035
Tsai, K.M., Telzer, E.H., Gonzales, N., & Fuligni, A.J. (2015). Parental cultural socialization of Mexican-American adolescents' family obligation values and behaviors. <i>Child Development</i> , 86, 1241-1252. https://doi.org/10.1111/cdev.12358

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Emotion</i>	Tuck	Thompson
2023	<i>Cognition and Emotion</i>	Tuck	Long, Thompson
2018	<i>Psychiatry Research</i>	Turel, O.	Cavagnaro, D. R., & Meshi, D.
2018	<i>Cognitive, Affective & Behavioral Neuroscience</i>	Turel, O.	He, Q., Brevers, D., & Bechara, A.
2014	<i>Psychological Reports: Disability & Trauma</i>	Turel, O.	He, Q.; Xue, G.; Xiao, L.
2014	<i>Psychological Reports</i>	Turel, O.	He, Q., Xue, G., Xiao, L., & Bechara, A.
2018	<i>Communications biology</i>	Turner, B. O.	Paul, E. J., Miller, M. B., & Barbey, A. K.
1985	<i>Russell Sage Foundation.</i>	Turner, C.	Martin, E.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Types of Social Media Use Are Differentially Associated With Trait and Momentary Affect
Social media's influence on momentary emotion based on people's initial mood: an experimental design
Short abstinence from online social networking sites reduces perceived stress, especially in excessive users.
Delay discounting mediates the association between posterior insular cortex volume and social media addiction symptoms
Examination of Neural Systems Sub-Serving Facebook "Addiction"
Examination of neural systems sub-serving facebook "addiction"
Small sample sizes reduce the replicability of task-based fMRI studies
Surveying Subjective Phenomena.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Tuck, A. B., & Thompson, R. J. (2024). Types of social media use are differentially associated with trait and momentary affect. <i>Emotion</i> , 24(7), 1600–1611. https://doi.org/10.1037/emo0001379
Tuck, A. B., Long, K. A., & Thompson, R. J. (2023). Social media's influence on momentary emotion based on people's initial mood: an experimental design. <i>Cognition and Emotion</i> , 37(5), 1049–1056. https://doi.org/10.1080/02699931.2023.2219443
Turel, O., Cavagnaro, D. R., & Meshi, D. (2018). Short abstinence from online social networking sites reduces perceived stress, especially in excessive users. <i>Psychiatry Research</i> , 270, 947–953. https://doi.org/10.1016/j.psychres.2018.11.017
Turel, O., He, Q., Brevers, D., & Bechara, A. (2018). Delay discounting mediates the association between posterior insular cortex volume and social media addiction symptoms. <i>Cognitive, Affective & Behavioral Neuroscience</i> , 18(4), 694–704. https://doi.org/10.3758/s13415-018-0597-1
Turel, O., He, Q., Xue, G., Xiao, L., & Bechara, A. (2014). Examination of neural systems sub-serving facebook "addiction". <i>Psychological reports</i> , 115 (3), 675–695. https://doi.org/10.2466/18.PR0.115c31z8
Turel, O., He, Q., Xue, G., Xiao, L., & Bechara, A. (2014). Examination of neural systems sub-serving facebook “addiction”. <i>Psychological Reports</i> , 115(3), 675–695. https://doi.org/10.2466/18.PR0.115c31z8
Turner, B. O., Paul, E. J., Miller, M. B., & Barbey, A. K. (2018). Small sample sizes reduce the replicability of task-based fMRI studies. <i>Communications biology</i> , 1, 62. https://doi.org/10.1038/s42003-018-0073-z
Turner, C., & Martin, E. (1985). <i>Surveying Subjective Phenomena</i> . Russell Sage Foundation. https://books.google.com/books?id=cQi5BgAAQBAJ

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Eating & Weight Disorders</i>	Turner	Lefevre
2021	<i>Developmental Cognitive Neuroscience</i>	Turpyn, C. C.	N/A
2022	<i>Cambridge University Press</i>	Turpyn, C. C.	Telzer, E. H.
2021	<i>Developmental Cognitive Neuroscience</i>	Turpyn, C.C†.	Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H.
2022	<i>Cambridge University Press</i>	Turpyn, C†	Telzer, E.H.
2019	<i>Journal of Abnormal Psychology</i>	Twenge, J. M.	Cooper, A. B., Joiner, T. E., Duffy, M. E., & Binau, S. G.
2022	<i>Acta Psychologica</i>	Twenge	Haidt, Lozano, Cummins
2022	<i>Acta psychologica</i>	Twenge	Haidt, J., Lozano, J., Cummins

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Instagram use is linked to increased symptoms of orthorexia nervosa
Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior.
Parenting and brain development. In A. S. Morris & J. Mendez Smith (Eds.), The cambridge handbook of parenting (pp. 50–70)
Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior
Parenting and brain development. In A.S. Morris & J. Mendez Smith (Eds). The Cambridge Handbook of Parenting: Interdisciplinary Research and Application
Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005-2017
Specification curve analysis shows that social media use is linked to poor mental health, especially among girls
Specification curve analysis shows that social media use is linked to poor mental health, especially among girls

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Turner, P. G., & Lefevre, C. E. (2017). Instagram use is linked to increased symptoms of orthorexia nervosa. <i>Eating and Weight Disorders - Studies on Anorexia, Bulimia and Obesity</i> , 22 (2), 277–284. https://doi.org/10.1007/s40519-017-0364-2
Turpyn, C. C. (2021). Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. <i>Developmental Cognitive Neuroscience</i> . 51
Turpyn, C. C., & Telzer, E. H. (2022). Parenting and brain development. In A. S. Morris & J. Mendez Smith (Eds.), <i>The cambridge handbook of parenting</i> (pp. 50–70). Cambridge University Press. https://doi.org/10.1017/9781108891400.005
Turpyn, C.C†., Jorgensen, N.A†., Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2021). Social neural sensitivity as a susceptibility marker to family context in predicting adolescent externalizing behavior. <i>Developmental Cognitive Neuroscience</i> , 51, 100993. https://doi.org/10.1016/j.dcn.2021.100993
Turpyn, C†. & Telzer, E.H. (2022). Parenting and brain development. In A.S. Morris & J. Mendez Smith (Eds). <i>The Cambridge Handbook of Parenting: Interdisciplinary Research and Application</i> . Cambridge University Press, New York, NY. https://doi.org/10.1017/9781108891400
Twenge, J. M., Cooper, A. B., Joiner, T. E., Duffy, M. E., & Binau, S. G. (2019). Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005-2017. <i>Journal of Abnormal Psychology</i> , 128(3), 185–199. https://doi.org/10.1037/abn0000410
Twenge, J. M., Haidt, J., Lozano, J., & Cummins, K. M. (2022). Specification curve analysis shows that social media use is linked to poor mental health, especially among girls. <i>Acta Psychologica</i> , 224 (224), 103512. https://doi.org/10.1016/j.actpsy.2022.103512
Twenge, J. M., Haidt, J., Lozano, J., & Cummins, K. M. (2022). Specification curve analysis shows that social media use is linked to poor mental health, especially among girls. <i>Acta psychologica</i> , 224 , 103512. https://doi.org/10.1016/j.actpsy.2022.103512

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Sleep Medicine</i>	Twenge, Krizan, Hisler	Krizan, Hisler
2018	<i>Emotion</i>	Twenge	Martin, G. N., Campbell, W. K.
2016	<i>The National Institute of Mental Health.</i>	U.S. Department of Health and Human Services.	N/A
2011	<i>The National Institute of Mental Health.</i>	U.S. Department of Health and Human Services.	N/A
2017	<i>BioEssays</i>	Uddin, M.	Jansen, S. & Telzer, E.H.
2020	<i>Nature Reviews Neuroscience</i>	Ueda, H. R.	Ertürk, A., Chung, K., Gradinaru, V., Chédotal, A., Tomancak, P., & Keller, P. J.
2024	N/A	UNICEF	N/A
2022	<i>Social Media & Society</i>	Unruh-Dawes	Smith, Marks, Wells
2024	<i>Technology, Mind, and Behavior</i>	Unruh-Dawes	Wagler, & Wells

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Decreases in self-reported sleep duration among U.S. adolescents 2009e2015 and association with new media screen time
Decreases in Psychological Well-Being Among American Adolescents
The Teen Brain: 6 Things To Know.
The Teen Brain: Still Under Construction.
Adolescent depression linked to socioeconomic status? Molecular approaches for revealing premorbid risk factors
Tissue clearing and its applications in neuroscience
Youth, Protest and the Polycrisis
Differing Relationships Between Instagram and Twitter on Suicidal Thinking: The Importance of Interpersonal Factors
The effects of Instagram and Twitter usage on sad and anxious mood: A multimethod approach

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Twenge, J. M., Krizan, Z., & Hisler, G. (2017). Decreases in self-reported sleep duration among U.S. adolescents 2009–2015 and association with new media screen time. <i>Sleep Medicine</i> , 39 , 47–53. https://doi.org/10.1016/j.sleep.2017.08.013
Twenge, J. M., Martin, G. N., & Campbell, W. K. (2018). Decreases in psychological well-being among American adolescents after 2012 and links to screen time during the rise of smartphone technology. <i>Emotion (Washington, D.C.)</i> , 18 (6), 765–780. https://doi.org/10.1037/emo0000403
U.S. Department of Health and Human Services. The Teen Brain: 6 Things To Know. The National Institute of Mental Health. Pub. No. OM 16-4307.
U.S. Department of Health and Human Services. The Teen Brain: Still Under Construction. The National Institute of Mental Health. Pub. No. 11-429. 2011.
Uddin, M., Jansen, S. & Telzer, E.H. (2017). Adolescent depression linked to socioeconomic status? Molecular approaches for revealing premorbid risk factors. <i>BioEssays</i> , 39, 1-7. https://doi.org/10.1002/bies.201600194
Ueda, H. R., Ertürk, A., Chung, K., Gradinaru, V., Chédotal, A., Tomancak, P., & Keller, P. J. (2020). Tissue clearing and its applications in neuroscience. <i>Nature Reviews. Neuroscience</i> , 21(2), 61–79. https://doi.org/10.1038/s41583-019-0250-1
UNICEF. (2024). Youth, Protest and the Polycrisis.
Unruh-Dawes, E. L., Smith, L. M., Krug Marks, C. P., & Wells, T. T. (2022). Differing Relationships Between Instagram and Twitter on Suicidal Thinking: The Importance of Interpersonal Factors. <i>Social Media + Society</i> , 8(1). https://doi.org/10.1177/20563051221077027
Unruh-Dawes, E., Wagler, K., & Wells, T. T. (2024). The effects of Instagram and Twitter usage on sad and anxious mood: A multimethod approach. <i>Technology, Mind, and Behavior</i> , 5 (4). https://doi.org/10.1037/tmb0000142

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2014	<i>Brain and Cognition</i>	Urošević, S.	Collins, P., Muetzel, R., Lim, K. O., & Luciana, M.
2023	<i>Journal of Cognitive Neuroscience</i>	Uy, J.P.	Fuligni, A.J., Eisenberger, N.I., Crone, E., Telzer, E.H., & Galván, A.
2021	<i>Computets in Human Behavior</i>	Vacchiano	Valente
2024	<i>Scientific Reports</i>	Vaid	Kroencke, Roshanaei, Talaifar, Hancock, Back, Gosling, Ram, & Harari
2017	<i>Computers in Human Behavior</i>	Valkenburg	Koutamanis, Vossen
2022	<i>Current opinion in psychology</i>	Valkenburg, P. M.	Meier, A. & Beyens, I.
2021	<i>Technology, Mind, and Behavior</i>	Valkenburg	Pouwels, Beyens, van Driel, & Keijsers

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Pubertal status associations with reward and threat sensitivities and subcortical brain volumes during adolescence
Corticostriatal connectivity during prosocial decision-making relates to giving behavior during adolescence
Did the screens win? An autoregressive model linking leisure, relatedness and mental health
Variation in social media sensitivity across people and contexts
The concurrent and longitudinal relationships between adolescents' use of social network sites and their social self-esteem
Social media use and its impact on adolescent mental health: An umbrella review of the evidence
Adolescents' Social Media Experiences and Their Self-Esteem: A Person-Specific Susceptibility Perspective

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Urošević, S., Collins, P., Muetzel, R., Lim, K. O., & Luciana, M. (2014). Pubertal status associations with reward and threat sensitivities and subcortical brain volumes during adolescence. <i>Brain and Cognition</i> , 89, 15–26. https://doi.org/10.1016/j.bandc.2014.01.007
Uy, J.P., Fuligni, A.J., Eisenberger, N.I., Crone, E., Telzer, E.H., & Galván, A. (2023). Corticostriatal connectivity during prosocial decision-making relates to giving behavior during adolescence. <i>Journal of Cognitive Neuroscience</i> , 35, 1432-1435. https://doi.org/10.1162/jocn_a_02024
Vacchiano, M., & Valente, R. (2021). Did the screens win? An autoregressive model linking leisure, relatedness and mental health. <i>Computers in Human Behavior</i> , 120 , 106755. https://doi.org/10.1016/j.chb.2021.106755
Vaid, S. S., Kroencke, L., Roshanaei, M., Talaifar, S., Hancock, J. T., Back, M. D., Gosling, S. D., Ram, N., & Harari, G. M. (2024). Variation in social media sensitivity across people and contexts. <i>Scientific Reports</i> , 14 (1), 6571. https://doi.org/10.1038/s41598-024-55064-y
Valkenburg, P. M., Koutamanis, M., & Vossen, H. G. M. (2017). The concurrent and longitudinal relationships between adolescents’ use of social network sites and their social self-esteem. <i>Computers in Human Behavior</i> , 76 (0747-5632), 35–41. https://doi.org/10.1016/j.chb.2017.07.008
Valkenburg, P. M., Meier, A., & Beyens, I. (2022). Social media use and its impact on adolescent mental health: An umbrella review of the evidence. <i>Current opinion in psychology</i> , 44, 58–68. https://doi.org/10.1016/j.copsyc.2021.08.017
Valkenburg, P. M., Pouwels, J. L., Beyens, I., van Driel, I. I., & Keijsers, L. (2021). Adolescents’ social media experiences and their self-esteem: A person-specific susceptibility perspective. <i>Technology, Mind, and Behavior</i> , 2 (2). https://doi.org/10.1037/tmb0000037

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Journal of Communication</i>	Valkenburg	Beyens, Pouwels, van Driel, & Keijsers
2019	<i>Perspectives in Psychiatric Care</i>	Vally, Z.	D'Souza, C. G.
2014	<i>Aggressive Behavior</i>	Van Cleemput, K.	Vandebosch, H. & Pabian, S.
2024	<i>Interacting with Computers</i>	Van de Castele	Soenena, Ponnet, Perneel, Flamant, & Vansteenkiste
2016	<i>Computers in Human Behavior</i>	van den Eijnden, R. J. J. M.	Lemmens, J. S. & Valkenburg, P. M.
2016	<i>Computers in Human Behavior</i>	van den Eijnden, R. J. J. M.	Lemmens, J. S., & Valkenburg, P. M.
2016	<i>Computers in Human Behavior</i>	van den Eijnden	Lemmens, Valkenburg
2018	<i>Journal of Behavioral Addictions</i>	van den Eijden	Koning, Doornwaard, van Gurp, ter Bogt

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social Media Use and Adolescents' Self-Esteem: Heading for a Person-Specific Media Effects Paradigm
Abstinence from social media use, subjective well-being, stress, and loneliness
Personal characteristics and contextual factors that determine "helping," "joining in," and "doing nothing" when witnessing cyberbullying
Unraveling the role of social media on adolescents' daily goals and affect: the interplay between basic psychological needs and screen time
The social media disorder scale
The Social Media Disorder Scale
The Social Media Disorder Scale
The impact of heavy and disordered use of games and social media on adolescents' psychological, social, and school functioning

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Valkenburg, P., Beyens, I., Pouwels, J. L., van Driel, I. I., & Keijsers, L. (2021). Social Media Use and Adolescents' Self-Esteem: Heading for a Person-Specific Media Effects Paradigm. <i>Journal of Communication</i> , 71 (1), 56–78. https://doi.org/10.1093/joc/jqaa039
Vally, Z., & D'Souza, C. G. (2019). Abstinence from social media use, subjective well-being, stress, and loneliness. <i>Perspectives in Psychiatric Care</i> , 55 (4). https://doi.org/10.1111/ppc.12431
Van Cleemput, K., Vandebosch, H., & Pabian, S. (2014). Personal characteristics and contextual factors that determine “helping,” “joining in,” and “doing nothing” when witnessing cyberbullying. <i>Aggressive Behavior</i> , 40(5), 383–396. https://doi.org/10.1002/ab.21534
Van de Castele, M., Soenens, B., Ponnet, K., Perneel, S., Flamant, N., & Vansteenkiste, M. (2024). Unraveling the Role of Social Media on Adolescents' Daily Goals and Affect: The Interplay Between Basic Psychological Needs and Screen Time. <i>Interacting with Computers</i> . https://doi.org/10.1093/iwc/iwad055
van den Eijnden, R. J. J. M., Lemmens, J. S., & Valkenburg, P. M. (2016). The social media disorder scale. <i>Computers in Human Behavior</i> , 61, 478–487. https://doi.org/10.1016/j.chb.2016.03.038
van den Eijnden, R. J. J. M., Lemmens, J. S., & Valkenburg, P. M. (2016). The Social Media Disorder Scale. <i>Computers in Human Behavior</i> , 61, 478–487. https://doi.org/10.1016/j.chb.2016.03.038 .
Van den Eijnden, R. J. J. M., Lemmens, J. S., & Valkenburg, P. M. (2016). The Social Media Disorder Scale. <i>Computers in Human Behavior</i> , 61 (61), 478–487. https://doi.org/10.1016/j.chb.2016.03.038
van den Eijnden, R., Koning, I., Doornwaard, S., van Gurp, F., & Ter Bogt, T. (2018). The impact of heavy and disordered use of games and social media on adolescents' psychological, social, and school functioning. <i>Journal of behavioral addictions</i> , 7 (3), 697–706. https://doi.org/10.1556/2006.7.2018.65

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Cognitive, Affective & Behavioral Neuroscience</i>	van der Meulen, M.	Veldhuis, J., Braams, B. R., Peters, S., Konijn, E. A., & Crone, E. A.
2011	<i>Developmental cognitive neuroscience</i>	van der Schaaf, M. E.	Warmerdam, E., Crone, E. A., & Cools, R.
2015	<i>Computers in Human Behavior</i>	van der Schuur, W. A.	Baumgartner, S. E., Sumter, S. R., & Valkenburg, P. M.
2019	<i>Computets in Human Behavior</i>	van der Veldena	Settic, van der Meulend, & Das
2024	<i>Social Media & Society</i>	van der Wal	Valkenburg, & van Driel
2018	<i>Social Cognitive Affective Neuroscience</i>	van Hoorn, J†.	McCormick, E.M†. & Telzer, E.H.
2020	<i>Journal of Research on Adolescence</i>	van Hoorn, J†.	McCormick, E.M†., Perino, M.T†., Rogers, C.R†. & Telzer, E.H.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Brain activation upon ideal-body media exposure and peer feedback in late adolescent girls
Distinct linear and non-linear trajectories of reward and punishment reversal learning during development: relevance for dopamine's role in adolescent decision making
The consequences of media multitasking for youth: A review
Does social networking sites use predict mental health and sleep problems when prior problems and loneliness are taken into account? A populationbased prospective study
In Their Own Words: How Adolescents Use Social Media and How It Affects Them
Moderate social sensitivity in a risky context supports adaptive decision-making in adolescence: Evidence from brain and behavior
Differential behavioral and neural profiles in youth with conduct problems during risky decision-making

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

van der Meulen, M., Veldhuis, J., Braams, B. R., Peters, S., Konijn, E. A., & Crone, E. A. (2017). Brain activation upon ideal-body media exposure and peer feedback in late adolescent girls. *Cognitive, Affective & Behavioral Neuroscience*, 17(4), 712–723. <https://doi.org/10.3758/s13415-017-0507-y>

van der Schaaf, M. E., Warmerdam, E., Crone, E. A., & Cools, R. (2011). Distinct linear and non-linear trajectories of reward and punishment reversal learning during development: relevance for dopamine's role in adolescent decision making. *Developmental cognitive neuroscience*, 1(4), 578-590.

van der Schuur, W. A., Baumgartner, S. E., Sumter, S. R., & Valkenburg, P. M. (2015). The consequences of media multitasking for youth: A review. *Computers in Human Behavior*, 53, 204–215. <https://doi.org/10.1016/j.chb.2015.06.035>

van der Velden, P. G., Setti, I., van der Meulen, E., & Das, M. (2019). Does social networking sites use predict mental health and sleep problems when prior problems and loneliness are taken into account? A population-based prospective study. *Computers in Human Behavior*, 93, 200–209. <https://doi.org/10.1016/j.chb.2018.11.047>

van der Wal, A., Valkenburg, P. M., & van Driel, I. I. (2024). In Their Own Words: How Adolescents Use Social Media and How It Affects Them. *Social Media + Society*, 10(2). <https://doi.org/10.1177/20563051241248591>

van Hoorn, J†., McCormick, E.M†., & Telzer, E.H. (2018). Moderate social sensitivity in a risky context supports adaptive decision-making in adolescence: Evidence from brain and behavior. *Social Cognitive Affective Neuroscience*, 13, 546-556. <https://doi.org/10.1093/scan/nsy016>

van Hoorn, J†., McCormick, E.M†., Perino, M.T†., Rogers, C.R†. & Telzer, E.H. (2020). Differential behavioral and neural profiles in youth with conduct problems during risky decision-making. *Journal of Research on Adolescence*, 30, 599-615. <https://doi.org/10.1111/jora.12546>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Social Cognitive and Affective Neuroscience</i>	van Hoorn, J†.	McCormick, E.M†., Rogers, C.R†., Ivory, S†., & Telzer, E.H.
2019	<i>Neuroscience and Biobehavioral Reviews</i>	van Hoorn, J†.	Shablack, H†., Lindquist, K., & Telzer, E.H.
2023	<i>Computers in Human Behavior</i>	van Oosten	Vandenbosch, Peter
2011	<i>Addiction</i>	Van Rooij, A. J.	Schoenmakers, T. M., Vermulst, A. A., Van den Eijnden, R. J., & Van de Mheen, D.
2021	<i>Addictive Behaviors Reports</i>	van Wezel, M. M. C	Abrahamse, E. L., & Vanden Abeele, M. M. P.
2016	<i>Communication Research</i>	Vandenbosch	Eggermont
2018	<i>The Journal of Social Psychology</i>	Vanman, E. J.	Baker, R., & Tobin, S. J.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Differential effects of parent and peer presence on neural correlates of risk taking in adolescence
Incorporating the social context into neurocognitive models of adolescent decision-making: A neuroimaging meta-analysis
Predicting the use of visually oriented social media: The role of psychological well-being, body image concerns and sought appearance gratifications
Online video game addiction: identification of addicted adolescent gamers
Does a 7-day restriction on the use of social media improve cognitive functioning and emotional well-being? Results from a randomized controlled trial
The Interrelated Roles of Mass Media and Social Media in Adolescents' Development of an Objectified Self-Concept: A Longitudinal Study
The burden of online friends: The effects of giving up Facebook on stress and well-being

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
van Hoorn, J†., McCormick, E.M†., Rogers, C.R†., Ivory, S†., & Telzer, E.H. (2018). Differential effects of parent and peer presence on neural correlates of risk taking in adolescence. <i>Social Cognitive and Affective Neuroscience</i> , 13, 944-945. https://doi.org/10.1093/scan/nsy071
van Hoorn, J†., Shablack, H†., Lindquist, K., & Telzer, E.H. (2019). Incorporating the social context into neurocognitive models of adolescent decision-making: A neuroimaging meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 101, 129-142. https://doi.org/10.1016/j.neubiorev.2018.12.024
van Oosten, J. M. F., Vandenbosch, L., & Peter, J. (2023). Predicting the use of visually oriented social media: The role of psychological well-being, body image concerns and sought appearance gratifications. <i>Computers in Human Behavior</i> , 144 , 107730. https://doi.org/10.1016/j.chb.2023.107730
Van Rooij, A. J., Schoenmakers, T. M., Vermulst, A. A., Van den Eijnden, R. J., & Van de Mheen, D. (2011). Online video game addiction: identification of addicted adolescent gamers. <i>Addiction</i> (Abingdon, England), 106(1), 205–212. https://doi.org/10.1111/j.1360-0443.2010.03104.x
van Wezel, M. M. C., Abrahamse, E. L., & Vanden Abeele, M. M. P. (2021). Does a 7-day restriction on the use of social media improve cognitive functioning and emotional well-being? Results from a randomized controlled trial. <i>Addictive Behaviors Reports</i> , 14 , 100365. https://doi.org/10.1016/j.abrep.2021.100365
Vandenbosch, L., & Eggermont, S. (2016). The Interrelated Roles of Mass Media and Social Media in Adolescents' Development of an Objectified Self-Concept. <i>Communication Research</i> , 43 (8), 1116–1140. https://doi.org/10.1177/0093650215600488
Vanman, E. J., Baker, R., & Tobin, S. J. (2018). The burden of online friends: The effects of giving up Facebook on stress and well-being. <i>The Journal of Social Psychology</i> , 158 (4), 496–508. https://doi.org/10.1080/00224545.2018.1453467

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Journal of Youth and Adolescence</i>	Vannucci	Ohannessian
2019	<i>Journal of Youth and Adolescence</i>	Vannucci	Ohannessian
2017	<i>Development and Psychopathology</i>	VanTieghem, M.	Gabard-Durnam, L., Goff, B., Flannery, J., Humphreys, K.L., Telzer, E.H., Caldera, C., Louie, J.Y., Shapiro, M., Bolger, N., & Tottenham, N.
2021	<i>Developmental Cognitive Neuroscience</i>	VanTieghem, M.	Korom, M., Flannery, J., Choy, T., Caldera, C., Humphreys, K.L., Gabard-Durnam, L., Goff, B., Gee, D.G., Telzer, E.H., Shapiro, M., Louie, J.Y., Fareri, D.S., Bolger, N., & Tottenham, N.
2016	<i>Computers in Human Behavior</i>	Vaterlaus J.	Barnett K, Roche C, Young J.
2013	<i>Trends in Pharmacological Sciences</i>	Vaughan, R. A.	Foster, J. D.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence
Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence
Positive valence bias and parent-child relationship security moderate the association between early institutional care and internalizing symptoms
Longitudinal changes in amygdala, hippocampus, and cortisol development following early caregiving adversity
"Snapchat is more personal": An exploratory study on Snapchat behaviors and young adult interpersonal relationships.
Mechanisms of dopamine transporter regulation in normal and disease states.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Vannucci, A., & McCauley Ohannessian, C. (2019). Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence. <i>Journal of Youth and Adolescence</i> , 48 (8), 1469–1493. https://doi.org/10.1007/s10964-019-01060-9
Vannucci, A., & Ohannessian, C.M. (2019). Social Media Use Subgroups Differentially Predict Psychosocial Well-Being During Early Adolescence. <i>Journal of Youth and Adolescence</i> , 48 (8), 1469–1493. https://doi.org/10.1007/s10964-019-01060-9
VanTieghem, M., Gabard-Durnam, L., Goff, B., Flannery, J., Humphreys, K.L., Telzer, E.H., Caldera, C., Louie, J.Y., Shapiro, M., Bolger, N., & Tottenham, N. (2017). Positive valence bias and parent-child relationship security moderate the association between early institutional care and internalizing symptoms. <i>Development and Psychopathology</i> , 29, 519-533. https://doi.org/10.1017/S0954579417000153
VanTieghem, M., Korom, M., Flannery, J., Choy, T., Caldera, C., Humphreys, K.L., Gabard-Durnam, L., Goff, B., Gee, D.G., Telzer, E.H., Shapiro, M., Louie, J.Y., Fareri, D.S., Bolger, N., & Tottenham, N. (2021). Longitudinal changes in amygdala, hippocampus, and cortisol development following early caregiving adversity. <i>Developmental Cognitive Neuroscience</i> , 48, 100916 https://doi.org/10.1016/j.dcn.2021.100916
Vaterlaus, J. M., Barnett, K., Roche, C., & Young, J. A. (2016). “Snapchat is more personal”: An exploratory study on Snapchat behaviors and young adult interpersonal relationships. <i>Computers in Human Behavior</i> , 62 (62), 594–601. https://doi.org/10.1016/j.chb.2016.04.029
Vaughan, R. A., & Foster, J. D. (2013). Mechanisms of dopamine transporter regulation in normal and disease states. <i>Trends in Pharmacological Sciences</i> , 34(9), 489–496. https://doi.org/10.1016/j.tips.2013.07.005

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2024	<i>Body Image</i>	Vendemia	Fox
2021	<i>Body Image</i>	Vendemia	DeAndrea, Brathwaite
2024	<i>Social Media & Society</i>	Verbeij	Beyens, Trilling, & Valkenburg
2021	<i>Computers in Human Behavior Reports</i>	Verbeij, T.	Pouwels, J. L., Beyens, I., & Valkenburg, P. M.
2021	<i>Computers in Human Behavior</i>	Verduyn	Schulte-Strathaus, Kross, & Hülshager
2020	<i>Current opinion in neurobiology</i>	Verharen JPH.	Zhu Y, Lammel S.
2015	<i>Clinical Psychopharmacology and Neuroscience</i>	Verna, V.	N/A
2018	<i>Developmental Cognitive Neuroscience</i>	Vijayakumar, N.	Mills, K. L., Alexander-Bloch, A., Tamnes, C. K., & Whittle, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
How social media images of sexualized young women elicit appearance commentary from their peers and reinforce objectification
Objectifying the body positive movement: The effects of sexualizingand digitally modifying body-positive images on Instagram
Happiness and Sadness in Adolescents' Instagram Direct Messaging: A Neural Topic Modeling Approach
The accuracy and validity of self-reported social media use measures among adolescents
When do smartphones displace face-to-face interactions and what to do about it?
Aversion hot spots in the dopamine system.
Classic studies on the interaction of cocaine and the dopamine transporter
Structural brain development: A review of methodological approaches and best practices

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Vendemia, M. A., & Fox, J. (2024). How social media images of sexualized young women elicit appearance commentary from their peers and reinforce objectification. <i>Body Image</i> , 49 , 101683–101683. https://doi.org/10.1016/j.bodyim.2024.101683
Vendemia, M. A., DeAndrea, D. C., & Brathwaite, K. N. (2021). Objectifying the body positive movement: The effects of sexualizing and digitally modifying body-positive images on Instagram. <i>Body Image</i> , 38 (1740-1445), 137–147. https://doi.org/10.1016/j.bodyim.2021.03.017
Verbeij, T., Beyens, I., Trilling, D., & Valkenburg, P. M. (2024). Happiness and Sadness in Adolescents' Instagram Direct Messaging: A Neural Topic Modeling Approach. <i>Social Media + Society</i> , 10(1). https://doi.org/10.1177/20563051241229655
Verbeij, T., Pouwels, J. L., Beyens, I., & Valkenburg, P. M. (2021). The accuracy and validity of self-reported social media use measures among adolescents. <i>Computers in Human Behavior Reports</i> , 3, 100090. https://doi.org/10.1016/j.chbr.2021.100090
Verduyn, P., Schulte-Strathaus, J. C. C., Kross, E., & Hülshager, U. R. (2021). When do smartphones displace face-to-face interactions and what to do about it? <i>Computers in Human Behavior</i> , 114, Article 106550. https://doi.org/10.1016/j.chb.2020.106550
Verharen, J. P. H., Zhu, Y., & Lammel, S. (2020). Aversion hot spots in the dopamine system. <i>Current opinion in neurobiology</i> , 64 , 46–52. https://doi.org/10.1016/j.conb.2020.02.002
Verma V (2015). Classic studies on the interaction of cocaine and the dopamine transporter. <i>Clinical Psychopharmacology and Neuroscience</i> , 13 (3): 227-238.
Vijayakumar, N., Mills, K. L., Alexander-Bloch, A., Tamnes, C. K., & Whittle, S. (2018). Structural brain development: A review of methodological approaches and best practices. <i>Developmental Cognitive Neuroscience</i> , 33, 129–148. https://doi.org/10.1016/j.dcn.2017.11.008

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Neuroscience and biobehavioral reviews</i>	Vijayakumar, N.	Op de Macks, Z., Shirtcliff, E. A., & Pfeifer, J. H.
2008	<i>Journal of Neurophysiology</i>	Vincent, J. L.	Kahn, I., Snyder, A. Z., Raichle, M. E., & Buckner, R. L.
2024	<i>Cyberpsychology</i>	Visier-Alfonso	Lopez-Gil, Mesas, Jimenez-Lopez, Cekrezi, & Martinez-Vizcaino
2010	<i>Journal of Psychiatry & Neuroscience</i>	Vocks, S.	Busch, M., Grönemeyer, D., Schulte, D., Herpertz, S., & Suchan, B.
2022	<i>Pew Research</i>	Vogels, E.	Gelles-Watnick, R.
2019	<i>Physiol Rev. 99: 2115–2140</i>	Volkow N.D.	Michaelides M., Baler R.
2016	<i>The New England Journal of Medicine</i>	Volkow, N.D.	Koob, G.F., McLellan, T.
1996	<i>The Journal of Nuclear Medicine</i>	Volkow, N. D.	Fowler, J. S., Gatley, S. J., Logan, J., Wang, G.-J., Ding, Y.-S., & Dewey, S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Puberty and the human brain: Insights into adolescent development
Evidence for a frontoparietal control system revealed by intrinsic functional connectivity
Does Socioeconomic Status Moderate the Association Between Screen Time, Mobile Phone Use, Social Networks, Messaging Applications, and Mental Health Among adolescents?
Neural correlates of viewing photographs of one's own body and another woman's body in anorexia and bulimia nervosa: an fMRI study
Teens, Social Media and Technology 2022, Pew Research Center
The Neuroscience of Drug Reward and Addiction.
Neurobiologic advances from the brain disease model of addiction
PET Evaluation of the Dopamine System of the Human Brain

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Vijayakumar, N., Op de Macks, Z., Shirtcliff, E. A., & Pfeifer, J. H. (2018). Puberty and the human brain: Insights into adolescent development. <i>Neuroscience and biobehavioral reviews</i> , 92, 417–436. https://doi.org/10.1016/j.neubiorev.2018.06.004
Vincent, J. L., Kahn, I., Snyder, A. Z., Raichle, M. E., & Buckner, R. L. (2008). Evidence for a frontoparietal control system revealed by intrinsic functional connectivity. <i>Journal of Neurophysiology</i> , 100(6), 3328–3342. https://doi.org/10.1152/jn.90355.2008
Visier-Alfonso, M.E., López-Gil, J.F., Mesas, A. E., Jiménez-López, E., Cekrezi, S. & Martínez-Vizcaíno, V. (2024). Does Socioeconomic Status Moderate the Association Between Screen Time, Mobile Phone Use, Social Networks, Messaging Applications, and Mental Health Among Adolescents? <i>Cyberpsychology Behavior and Social Networking</i> . https://doi.org/10.1089/cyber.2024.0064
Vocks, S., Busch, M., Grönemeyer, D., Schulte, D., Herpertz, S., & Suchan, B. (2010). Neural correlates of viewing photographs of one's own body and another woman's body in anorexia and bulimia nervosa: an fMRI study. <i>Journal of Psychiatry & Neuroscience</i> , 35(3), 163–176. https://doi.org/10.1503/jpn.090048
Vogels, E., Gelles-Watnick, R. (2022). Teens, Social Media and Technology 2022, Pew Research Center , https://www.pewresearch.org/internet/2022/08/10/teens-social-media-and-technology-2022 ;
Volkow N.D., Michaelides M., Baler R. (2019). The Neuroscience of Drug Reward and Addiction. <i>Physiol Rev.</i> 99: 2115–2140. https://doi.org/10.1152/physrev.00014.2018
Volkow ND, Koob GF, McLellan T (2016). Neurobiologic advances from the brain disease model of addiction. <i>The New England Journal of Medicine</i> , 374 (4), 363-371.
Volkow, N. D., Fowler, J. S., Gatley, S. J., Logan, J., Wang, G.-J., Ding, Y.-S., & Dewey, S. (1996). PET Evaluation of the Dopamine System of the Human Brain, <i>The Journal of Nuclear Medicine</i> , 37(7), 1242-1256.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2012	<i>Annual review of pharmacology and toxicology</i>	Volkow, N. D.	Wang, G. J., Fowler, J. S., & Tomasi, D.
2011	<i>Proceedings of the National Academy of Sciences</i>	Volkow, N. D.	Wang, G.-J., Fowler, J. S., Tomasi, D., & Telang, F.
2001	<i>Dialogues in Clinical Neuroscience</i>	Vollenweider, F. X.	N/A
2020	<i>Developmental Psychology</i>	Vollet, J. W.	George, M. J., Burnell, K., & Underwood, M. K.
2023	<i>R. Soc. Open Sci.</i>	Vuorre, M	Przybylski, AK.
2023	<i>Royal Society Open Science</i>	Vuorre	Przybylski
2021	<i>Clinical Psychological Science</i>	Vuorre	Orben, & Przybylski
2010	<i>Brain and Cognition.72:146-159</i>	Wahlstrom, D.	Collins, P., White, T., & Luciana, M.
2019	<i>Current Psychology</i>	Walker	Krumhuber, Furnham

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Addiction circuitry in the human brain
Addiction: Beyond dopamine reward circuitry.
Brain mechanisms of hallucinogens and entactogens.
Exploring texting messaging as a platform for peer socialization of social aggression
Estimating the association between Facebook adoption and well-being in 72 countries
Estimating the association between Facebook adoption and well-being in 72 countries
There Is No Evidence That Associations Between Adolescents' Digital Technology Engagement and Mental Health Problems Have Increased
Developmental changes in dopamine neurotransmission in adolescence: Behavioral implications and issues in assessment
Effects of social media use on desire for cosmetic surgery among young women

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
<p>Volkow, N. D., Wang, G. J., Fowler, J. S., & Tomasi, D. (2012). Addiction circuitry in the human brain. <i>Annual review of pharmacology and toxicology</i>, 52, 321–336. https://doi.org/10.1146/annurev-pharmtox-010611-134625</p>
<p>Volkow, N. D., Wang, G.-J., Fowler, J. S., Tomasi, D., & Telang, F. (2011). Addiction: Beyond dopamine reward circuitry. <i>Proceedings of the National Academy of Sciences</i>, 108(37), 15037–15042. https://doi.org/10.1073/pnas.1010654108</p>
<p>Vollenweider, F. X. (2001). Brain mechanisms of hallucinogens and entactogens. <i>Dialogues in Clinical Neuroscience</i>, 3(4), 265–279. https://doi.org/10.31887/DCNS.2001.3.4/fxvollenweider</p>
<p>Vollet, J. W., George, M. J., Burnell, K., & Underwood, M. K. (2020). Exploring texting messaging as a platform for peer socialization of social aggression. <i>Developmental Psychology</i>, 56, 138-152.</p>
<p>Vuorre, M, Przybylski, AK. (2023). Estimating the association between Facebook adoption and well-being in 72 countries. <i>R. Soc. Open Sci.</i>, 10: 221451.</p>
<p>Vuorre, M., & Przybylski, A. K. (2023). Estimating the association between Facebook adoption and well-being in 72 countries. <i>Royal Society Open Science</i>, 10(8). https://doi.org/10.1098/rsos.221451</p>
<p>Vuorre, M., Orben, A., & Przybylski, A. K. (2021). There Is No Evidence That Associations Between Adolescents’ Digital Technology Engagement and Mental Health Problems Have Increased. <i>Clinical Psychological Science</i>, 9(5), 823-835. https://doi.org/10.1177/2167702621994549</p>
<p>Wahlstrom, D., Collins, P., White, T., & Luciana, M. (2010). Developmental changes in dopamine neurotransmission in adolescence: Behavioral implications and issues in assessment. <i>Brain and Cognition</i>.72:146-159</p>
<p>Walker, C. E., Krumhuber, E. G., Dayan, S., & Furnham, A. (2019). Effects of Social Media Use on Desire for Cosmetic Surgery among Young Women. <i>Current Psychology</i>, 40(7), 3355–3364. https://doi.org/10.1007/s12144-019-00282-1</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2015	<i>Journal of Adolescent Health</i>	Walker	Thornton, de Choudhury, Teevan, Bulik, Levinson, Zerwas
2013	<i>Research in Learning Technology</i>	Walker, R.	N/A
2021	<i>Personality & Individual Differences</i>	Wallace	Buill
2024	<i>PLOS One</i>	Walsh	Regan, Okabe-Miyamoto, & Lyubomirsky
2024	<i>PloS one</i>	Walsh, L. C.	Regan, A., Okabe-Miyamoto, K., & Lyubomirsky, S.
2022	<i>Affective Science</i>	Walsh	Regan, Twenge, & Lyubomirsky
2017	<i>Frontiers in Psychology</i>	Wang JL.	Wang HZ, Gaskin J, Hawk S.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Facebook Use and Disordered Eating in College-Aged Women
“I don’t think I would be where I am right now”. Pupil perspectives on using mobile devices for learning
Hiding Instagram Likes: Effects on negative affect and loneliness
Does putting down your smartphone make you happier? the effects of restricting digital media on well-being
Does putting down your smartphone make you happier? the effects of restricting digital media on well-being
What is the Optimal Way to Give Thanks? Comparing the Effects of Gratitude Expressed Privately, One-to-One via Text, or Publicly on Social Media
The Mediating Roles of Upward Social Comparison and Self-esteem and the Moderating Role of Social Comparison Orientation in the Association between Social Networking Site Usage and Subjective Well-Being.

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Walker, M., Thornton, L., De Choudhury, M., Teevan, J., Bulik, C. M., Levinson, C. A., & Zerwas, S. (2015). Facebook Use and Disordered Eating in College-Aged Women. *Journal of Adolescent Health* , 57 (2), 157–163.
<https://doi.org/10.1016/j.jadohealth.2015.04.026>

Walker, R. (2013). “I don’t think I would be where I am right now”. Pupil perspectives on using mobile devices for learning. *Research in Learning Technology* , 21.
<https://doi.org/10.3402/rlt.v21i0.22116>

Wallace, E., & Buil, I. (2021). Hiding Instagram likes: Effects on negative affect and loneliness. *Personality and Individual Differences*, 170, Article 110509. <https://doi.org/10.1016/j.paid.2020.110509>

Walsh, L. C., Regan, A., Karynna Okabe-Miyamoto, & Lyubomirsky, S. (2024). Does putting down your smartphone make you happier? the effects of restricting digital media on well-being. *PLoS ONE* , 19 (10), e0306910–e0306910.
<https://doi.org/10.1371/journal.pone.0306910>

Walsh, L. C., Regan, A., Okabe-Miyamoto, K., & Lyubomirsky, S. (2024). Does putting down your smartphone make you happier? the effects of restricting digital media on well-being. *PloS one* , 19 (10), e0306910.
<https://doi.org/10.1371/journal.pone.0306910>

Walsh, L. C., Regan, A., Twenge, J. M., & Lyubomirsky, S. (2022). What is the Optimal Way to Give Thanks? Comparing the Effects of Gratitude Expressed Privately, One-to-One via Text, or Publicly on Social Media. *Affective Science* , 4 , 1–10.
<https://doi.org/10.1007/s42761-022-00150-5>

Wang JL, Wang HZ, Gaskin J, Hawk S. (2017). The Mediating Roles of Upward Social Comparison and Self-esteem and the Moderating Role of Social Comparison Orientation in the Association between Social Networking Site Usage and Subjective Well-Being. *Frontiers in Psychology*.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>International Journal of Mental Health and Addiction</i>	Wang, J.	Wang, P., Yang, X., Zhang, G., Wang, X., Zhao, F., Zhao, M., & Lei, L.
2023	<i>Body Image</i>	Wang	Wang, Geng, Wang, Lei
2020	<i>Computers in Human Behavior</i>	Wartberg	Kriston, Thomasius
2017	<i>Annual Review of Neuroscience</i>	Watabe-Uchida, M.	Eshel, N., & Uchida, N.
2024	<i>Harvard Health.</i>	Watson, S.	N/A
2024	<i>Computers in Human Behavior</i>	Wei, Z.	Guo, Y., Tsang, M. H. L., Montag, C., Becker, B., & Kou, J.
2017	<i>Frontiers in Psychiatry</i>	Weinstein, A. M.	N/A
2020	<i>Dialogues in clinical neuroscience</i>	Weinstein, A.	Lejoyeux, M.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Fear of missing out and procrastination as mediators between sensation seeking and adolescent smartphone addiction
Body talk on social networking sites and restrained eating among adolescents: A test of a multiple mediation model
Internet gaming disorder and problematic social media use in a representative sample of German adolescents: Prevalence estimates, comorbid depressive symptoms and related psychosocial aspects
Neural Circuitry of Reward Prediction Error.
Dopamine: The pathway to pleasure.
Social media distractions alter behavioral and neural patterns to global-local attention: The moderation effect of fear of missing out
An update overview on brain imaging studies of internet gaming disorder
Neurobiological mechanisms underlying internet gaming disorder

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Wang, J., Wang, P., Yang, X., Zhang, G., Wang, X., Zhao, F., Zhao, M., & Lei, L. (2019). Fear of missing out and procrastination as mediators between sensation seeking and adolescent smartphone addiction. <i>International Journal of Mental Health and Addiction</i> , 17(4), 1049–1062. https://doi.org/10.1007/s11469-019-00106-0
Wang, Y., Wang, J., Geng, J., Wang, H., & Lei, L. (2023). Body talk on social networking sites and restrained eating among adolescents: A test of a multiple mediation model. <i>Body Image</i> , 45 , 145–152. https://doi.org/10.1016/j.bodyim.2023.03.002
Wartberg, L., Kriston, L., & Thomasius, R. (2020). Internet gaming disorder and problematic social media use in a representative sample of German adolescents: Prevalence estimates, comorbid depressive symptoms and related psychosocial aspects. <i>Computers in Human Behavior</i> , 103 , 31–36. https://doi.org/10.1016/j.chb.2019.09.014
Watabe-Uchida, M., Eshel, N., & Uchida, N. (2017). Neural Circuitry of Reward Prediction Error. <i>Annual Review of Neuroscience</i> , 40(Volume 40, 2017), 373–394. https://doi.org/10.1146/annurev-neuro-072116-031109
Watson, S. (2024). Dopamine: The pathway to pleasure. Harvard Health. https://www.health.harvard.edu/mind-and-mood/dopamine-the-pathway-to-pleasure
Wei, Z., Guo, Y., Tsang, M. H. L., Montag, C., Becker, B., & Kou, J. (2024). Social media distractions alter behavioral and neural patterns to global-local attention: The moderation effect of fear of missing out. <i>Computers in Human Behavior</i> , 157, 108258. https://doi.org/10.1016/j.chb.2024.108258
Weinstein, A. M. (2017a). An update overview on brain imaging studies of internet gaming disorder. <i>Frontiers in Psychiatry</i> , 8, 185. https://doi.org/10.3389/fpsyt.2017.00185
Weinstein, A., & Lejoyeux, M. (2020). Neurobiological mechanisms underlying internet gaming disorder. <i>Dialogues in clinical neuroscience</i> , 22(2), 113–126. https://doi.org/10.31887/DCNS.2020.22.2/aweinstein

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2017	<i>Computers in Human Behavior</i>	Weinstein	N/A
2017	<i>Computers in Human Behavior</i>	Weinstein, E.	N/A
2018	<i>New Media & Society</i>	Weinstein	N/A
2016	<i>Social Cognitive Affective Neuroscience</i>	Welborn, L.B.	Lieberman, M.D., Goldenberg, D., Fuligni, A.J., Gálvan, A., & Telzer, E.H.
2017	<i>Journal of Medical Internet Research</i>	Wen, C. K. F.	Schneider, S., Stone, A. A., & Spruijt-Metz, D.
1996	<i>Annual Reviews Neuroscience</i>	White, J.	N/A
2024	<i>Canadian Journal of Behavioural Science</i>	White-Gosselin	Poulin
2022	<i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i>	Whittle, S.	Pozzi, E., Rakesh, D., Kim, J. M., Yap, M. B., Schwartz, O. S., ... & Vijayakumar, N.

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescents' differential responses to social media browsing_ Exploring causes and consequences for intervention
Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention
The social media see-saw: Positive and negative influences on adolescents' affective well-being
Neural mechanisms of social influence during adolescence
Compliance with mobile ecological momentary assessment protocols in children and adolescents: A systematic review and meta-analysis
SYNAPTIC REGULATION OF MESOCORTICOLIMBIC DOPAMINE NEURONS
Associations Between Young Adults' Social Media Addiction, Relationship Quality With Parents, and Internalizing Problems: A Path Analysis Model
Harsh and inconsistent parental discipline is associated with altered cortical development in children

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Weinstein, E. (2017). Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention. <i>Computers in Human Behavior</i> , 76, 396–405. https://doi.org/10.1016/j.chb.2017.07.038
Weinstein, E. (2017b). Adolescents' differential responses to social media browsing: Exploring causes and consequences for intervention. <i>Computers in Human Behavior</i> , 76, 396–405. https://doi.org/10.1016/j.chb.2017.07.038
Weinstein, E. (2018). The social media see-saw: Positive and negative influences on adolescents' affective well-being. <i>New Media & Society</i> , 20(10), 3597-3623. https://doi.org/10.1177/1461444818755634
Welborn, L.B., Lieberman, M.D., Goldenberg, D., Fuligni, A.J., Gálvan, A., & Telzer, E.H. (2016). Neural mechanisms of social influence during adolescence. <i>Social Cognitive Affective Neuroscience</i> , 11, 100-109. https://doi.org/10.1093/scan/nsv095
Wen, C. K. F., Schneider, S., Stone, A. A., & Spruijt-Metz, D. (2017). Compliance with mobile ecological momentary assessment protocols in children and adolescents: A systematic review and meta-analysis. <i>Journal of Medical Internet Research</i> , 19(4), e132. https://doi.org/10.2196/jmir.6641
White, J. (1996). SYNAPTIC REGULATION OF MESOCORTICOLIMBIC DOPAMINE NEURONS. <i>Annual Reviews Neuroscience</i> , 19:405-36.
White-Gosselin, C.-É., & Poulin, F. (2024). Associations between young adults' social media addiction, relationship quality with parents, and internalizing problems: A path analysis model. <i>Canadian Journal of Behavioural Science / Revue canadienne des sciences du comportement</i> , 56(1), 61–69. https://doi.org/10.1037/cbs0000326
Whittle, S., Pozzi, E., Rakesh, D., Kim, J. M., Yap, M. B., Schwartz, O. S., ... & Vijayakumar, N. (2022). Harsh and inconsistent parental discipline is associated with altered cortical development in children. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 7(10), 989-997.

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2018	<i>Psychoneuroendocrinology</i>	Wierenga, L. M.	Bos, M. G. N., Schreuders, E., Vd Kamp, F., Peper, J. S., Tamnes, C. K., & Crone, E. A.
2022	N/A	Wike, S. P.	N/A
2019	<i>International Journal of Eating Disorders</i>	Wilksch	O'Shea, Ho, Byrne, Wade
2020	<i>The International journal of eating disorders</i>	Wilksch, S. M.	O'Shea, A., Ho, P., Byrne, S., & Wade, T. D.
2016	<i>Journal of Abnormal Child Psychology</i>	Will, G.-J.	van Lier, P. A. C., Crone, E. A., & Güroğlu, B.
2000	<i>Journal of Personality and Social Psychology</i>	Williams, K. D.	Cheung, C. K. T. & Choi, W.
2020	<i>JMRI Dermatology</i>	Willoughby	Myrick, Gibbons, & Kogan

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Unraveling age, puberty and testosterone effects on subcortical brain development across adolescence
A Mixed Methods Study on the Student Perspective of Having Individual Access to Smartphones at School [Doctoral dissertation]
The relationship between social media use and disordered eating in young adolescents
The relationship between social media use and disordered eating in young adolescents.
Chronic Childhood Peer Rejection is Associated with Heightened Neural Responses to Social Exclusion During Adolescence
Cyberostracism: Effects of being ignored over the Internet
Associations Between Emotions, Social Media Use, and Sun Exposure Among Young Women: Ecological Momentary Assessment Study

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Wierenga, L. M., Bos, M. G. N., Schreuders, E., Vd Kamp, F., Peper, J. S., Tamnes, C. K., & Crone, E. A. (2018). Unraveling age, puberty and testosterone effects on subcortical brain development across adolescence. <i>Psychoneuroendocrinology</i> , 91, 105–114. https://doi.org/10.1016/j.psyneuen.2018.02.034
Wike, S. P. (2022). A Mixed Methods Study on the Student Perspective of Having Individual Access to Smartphones at School [Doctoral dissertation]. University of Florida.
Wilksch, S. M., O'Shea, A., Ho, P., Byrne, S., & Wade, T. D. (2019). The relationship between social media use and disordered eating in young adolescents. <i>International Journal of Eating Disorders</i> , 53 (1). https://onlinelibrary.wiley.com/doi/abs/10.1002/eat.23198
Wilksch, S. M., O'Shea, A., Ho, P., Byrne, S., & Wade, T. D. (2020). The relationship between social media use and disordered eating in young adolescents. <i>The International journal of eating disorders</i> , 53 (1), 96–106. https://doi.org/10.1002/eat.23198
Will, G.-J., van Lier, P. A. C., Crone, E. A., & Güroğlu, B. (2016). Chronic Childhood Peer Rejection is Associated with Heightened Neural Responses to Social Exclusion During Adolescence. <i>Journal of Abnormal Child Psychology</i> , 44(1), 43–55. https://doi.org/10.1007/s10802-015-9983-0
Williams, K. D., Cheung, C. K. T., & Choi, W. (2000). Cyberostracism: Effects of being ignored over the Internet. <i>Journal of Personality and Social Psychology</i> , 79(5), 748–762. https://doi.org/10.1037/0022-3514.79.5.748
Willoughby, J. F., Myrick, J. G., Gibbons, S., & Kogan, C. (2020). Associations Between Emotions, Social Media Use, and Sun Exposure Among Young Women: Ecological Momentary Assessment Study. <i>JMIR Dermatology</i> , 3 (1), e18371. https://doi.org/10.2196/18371

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2022	<i>JCPP Advances</i>	Winstone	Mars, Haworth, Heron, & Kidger
2021	<i>Media Psychology</i>	Wiradhany, W.	Koerts, J.
1989	<i>BRAIN DOPAMINE AND REWARD.</i>	Wise, R. A.	N/A
2004	<i>Nature Reviews Neuroscience</i>	Wise, R. A.	N/A
2020	<i>Annual review of psychology</i>	Wise, R. A.	Robble, M. A.
2019	<i>Science Advances</i>	Witkiewitz, K.	Litten, R. Z., & Leggio, L.
2016	<i>Cyberpsychology, Behavior, and Social Networking</i>	Wohn	Carr, Hayes
2024	<i>Psychology of Popular Media</i>	Wolfe	Yakabovits

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Adolescent social media user types and their mental health and well-being: Results from a longitudinal survey of 13–14-year-olds in the United Kingdom
Everyday functioning-related cognitive correlates of media multitasking: a mini meta-analysis
BRAIN DOPAMINE AND REWARD.
Dopamine, learning and motivation.
Dopamine and Addiction. Annual review of psychology
Advances in the science and treatment of alcohol use disorder.
How Affective Is a ‘‘Like’’?: The Effect of Paralinguistic Digital Affordances on Perceived Social Support
I’ll See Your Beautified Photo and Raise You One: An Experimental Investigation of the Effect of Edited Social Media Photo Exposure

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Winstone, L., Mars, B., Haworth, C. M. A., Heron, J., & Kidger, J. (2022). Adolescent social media user types and their mental health and well-being: Results from a longitudinal survey of 13–14-year-olds in the United Kingdom. <i>JCPP Advances</i> , 2 (2). https://doi.org/10.1002/jcv2.12071
Wiradhany, W., & Koerts, J. (2021). Everyday functioning-related cognitive correlates of media multitasking: a mini meta-analysis. <i>Media Psychology</i> , 24(2), 276–303. https://doi.org/10.1080/15213269.2019.1685393
Wise, R. A. (1989). BRAIN DOPAMINE AND REWARD.
Wise, R. A. (2004). Dopamine, learning and motivation. <i>Nature Reviews Neuroscience</i> , 5(6), 483–494. https://doi.org/10.1038/nrn1406
Wise, R. A., & Robble, M. A. (2020). Dopamine and Addiction. <i>Annual review of psychology</i> , 71, 79–106. https://doi.org/10.1146/annurev-psych-010418-103337
Witkiewitz, K., Litten, R. Z., & Leggio, L. (2019). Advances in the science and treatment of alcohol use disorder. <i>Science Advances</i> , 5(9), eaax4043. https://doi.org/10.1126/sciadv.aax4043
Wohn, D. Y., Carr, C. T., & Hayes, R. A. (2016). How Affective Is a “Like”? The Effect of Paralinguistic Digital Affordances on Perceived Social Support. <i>Cyberpsychology, Behavior, and Social Networking</i> , 19 (9), 562–566. https://doi.org/10.1089/cyber.2016.0162
Wolfe, W. L., & Yakabovits, L. (2024). I’ll see your beautified photo and raise you one: An experimental investigation of the effect of edited social media photo exposure. <i>Psychology of Popular Media</i> , 13(2), 249–255. https://doi.org/10.1037/ppm0000443

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2005	<i>Nicotine: From molecular mechanisms to behaviour. Current Opinion in Pharmacology, 5(1), 53–59. https://doi.org/10.1016/j.coph.2004.12.002</i>	Wonnacott, S.	Sidhpura, N., & Balfour, D. J.
2025	<i>Journal of Technology in Behavioral Science</i>	Woodward	McGettrick, Dick, Ali, Teeters
2018	<i>Journal of the Association for Information Systems</i>	Wright, M.	N/A
2022	<i>Body Image</i>	Wu	Harford, Petersen, Prichard
2021	<i>Psychology of Popular Media</i>	Wu	Wang, Hong, S., Hong, M., Pei, & Su

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Nicotine: From molecular mechanisms to behaviour.
Time Spent on Social Media and Associations with Mental Health in Young Adults: Examining TikTok, Twitter, Instagram, Facebook, Youtube, Snapchat, and Reddit
Cyberbullying Victimization through Social Networking Sites and Adjustment Difficulties: The Role of Parental Mediation
“Eat clean, train mean, get lean”: Body image and health behaviours of women who engage with fitspiration and clean eating imagery on Instagram
The Relationship Between Social Short-Form Videos and Youth’s Well-Being: It Depends on Usage Types and Content Categories

Literature Review - APA Publication Cite

Wonnacott, S., Sidhpura, N., & Balfour, D. J. (2005). Nicotine: From molecular mechanisms to behaviour. *Current Opinion in Pharmacology*, 5(1), 53–59.
<https://doi.org/10.1016/j.coph.2004.12.002>

Woodward, M. J., McGettrick, C. R., Dick, O. G., Ali, M., & Teeters, J. B. (2025). Time Spent on Social Media and Associations with Mental Health in Young Adults: Examining TikTok, Twitter, Instagram, Facebook, Youtube, Snapchat, and Reddit. *Journal of Technology in Behavioral Science* .
<https://doi.org/10.1007/s41347-024-00474-y>

Wright, M. (2018). Cyberbullying Victimization through Social Networking Sites and Adjustment Difficulties: The Role of Parental Mediation. *Journal of the Association for Information Systems* , 19(2), 113–123. <https://doi.org/10.17705/jais1.00486>

Wu, Y., Harford, J., Petersen, J., & Prichard, I. (2022). “Eat clean, train mean, get lean”: Body image and health behaviours of women who engage with fitspiration and clean eating imagery on Instagram. *Body Image* , 42 , 25–31.
<https://doi.org/10.1016/j.bodyim.2022.05.003>

Wu, Y., Wang, X., Hong, S., Hong, M., Pei, M., & Su, Y. (2021). The relationship between social short-form videos and youth’s well-being: It depends on usage types and content categories. *Psychology of Popular Media*, 10(4), 467–477. <https://doi.org/10.1037/ppm0000292>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2023	<i>JAMA Netw Open</i>	Xiang, A.H.	Martinez, M.P., Chow, T., et. al.
2024	<i>Frontiers in Human Neuroscience</i>	Yan, T.	Su, C., Xue, W., Hu, Y., & Zhou, H.
2021	<i>Clin Child Fam Psychol Rev</i>	Yang, C. C.	Holden, S. M. and Ariati, J.
2019	<i>Addiction Research & Theory</i>	Yang	Carter, Webb Holden
2020	<i>Children</i>	Yang	Wang, Tng, Yang
2016	<i>Proceedings of the National Academy of Sciences of the United States of America</i>	Yang, Y. C.	Boen, C., Gerken, K., Li, T., Schorpp, K., & Harris, K. M.
2024	<i>Body Image</i>	Yao	Niu, Shin
2017	<i>Adolescent Research Review</i>	Yau	Reich

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Depression and Anxiety Among US Children and Young Adults. JAMA Netw Open , 7(10). https://doi:10.1001/jamanetworkopen.2024.36906
Mobile phone short video use negatively impacts attention functions: an EEG study
"Social Media and Psychological Well-Being Among Youth: The Multidimensional Model of Social Media Use."
Developmentally salient psychosocial characteristics, rumination, and compulsive social media use during the transition to college
Effects of Social Media and Smartphone Use on Body Esteem in Female Adolescents: Testing a Cognitive and Affective Model
Social relationships and physiological determinants of longevity across the human life span
A longitudinal study on the relationships between social media ideals exposure and thin-ideal internalization, social appearance anxiety, and cosmetic surgery consideration
Are the Qualities of Adolescents' Offline Friendships Present in Digital Interactions?

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Xiang, A.H., Martinez, M.P., Chow, T., et. al. (2024). Depression and Anxiety Among US Children and Young Adults. <i>JAMA Netw Open</i> , 7(10). https://doi:10.1001/jamanetworkopen.2024.36906
Yan, T., Su, C., Xue, W., Hu, Y., & Zhou, H. (2024). Mobile phone short video use negatively impacts attention functions: an EEG study. <i>Frontiers in Human Neuroscience</i> , 18, 1383913. https://doi.org/10.3389/fnhum.2024.1383913
Yang, C. C., Holden, S. M. and Ariati, J. (2021). "Social Media and Psychological Well-Being Among Youth: The Multidimensional Model of Social Media Use." <i>Clin Child Fam Psychol Rev</i> 24(3): 631-650.
Yang, C. chen, Carter, M. D. K., Webb, J. J., & Holden, S. M. (2019). Developmentally salient psychosocial characteristics, rumination, and compulsive social media use during the transition to college. <i>Addiction Research & Theory</i> , 28 (5), 433–442. https://doi.org/10.1080/16066359.2019.1682137
Yang, H., Wang, J. J., Tng, G. Y. Q., & Yang, S. (2020). Effects of Social Media and Smartphone Use on Body Esteem in Female Adolescents: Testing a Cognitive and Affective Model. <i>Children</i> , 7 (9), 148. https://doi.org/10.3390/children7090148
Yang, Y. C., Boen, C., Gerken, K., Li, T., Schorpp, K., & Harris, K. M. (2016). Social relationships and physiological determinants of longevity across the human life span. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 113(3), 578–583. https://doi.org/10.1073/pnas.1511085112
Yao, L., Niu, G., & Sun, X. (2024). A longitudinal study on the relationships between social media ideals exposure and thin-ideal internalization, social appearance anxiety, and cosmetic surgery consideration. <i>Body Image</i> , 51 , 101813. https://doi.org/10.1016/j.bodyim.2024.101813
Yau, J. C., & Reich, S. M. (2017). Are the Qualities of Adolescents' Offline Friendships Present in Digital Interactions? <i>Adolescent Research Review</i> , 3 (3), 339–355. https://doi.org/10.1007/s40894-017-0059-y

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence</i>	Yau, J. C.	Reich, S. M.
2018	<i>Journal of Youth and Adolescence</i>	Yuen, C.X†.	Fuligni, A.J., Gonzales, N.A., & Telzer, E.H.
2024	<i>National Center for Health Statistics</i>	Zablotsky B	Arockiaraj B, Haile G, Ng AE.
2018	<i>Computers in Human B</i>	Zell	Moeller
2025	<i>International Journal of Environmental Research and Public Health</i>	Zewude, G. T.	Natnael, T., Woreta, G. T., & Bezie, A. E.
2019	<i>In Telematics and Informatics</i>	Zhang, X.	Wu, Y., Liu, S.
2021	<i>JMIR Ment Health</i>	Zheng, K.	et. al.,

Ex. B: Materials Considered List

Literature Review - Article NameTitle
<p>“It’s Just a Lot of Work”: Adolescents’ Self-Presentation Norms and Practices on Facebook and Instagram</p>
<p>Family first?: The costs and benefits of family centrality for adolescents with high-conflict families</p>
<p>Daily screen time among teenagers: United States, July 2021–December 2023. NCHS Data Brief, no 513.</p>
<p>Are you happy for me ... on Facebook? The potential importance of “likes” and comments*</p>
<p>A Multi- Mediation Analysis on the Impact of Social Media and Internet Addiction on University and High School Students’ Mental Health Through Social Capital and Mindfulness.</p>
<p>Exploring short-form video application addiction: Socio-technical and attachment perspectives</p>
<p>Developmental Assets of Adolescents and Young Adults With Chronic Illness and Comorbid Depression: Qualitative Study Using YouTube.</p>

Ex. B: Materials Considered List

Literature Review - APA Publication Cite

Yau, J. C., & Reich, S. M. (2019). "It's Just a Lot of Work": Adolescents' Self-Presentation Norms and Practices on Facebook and Instagram. *Journal of Research on Adolescence: The Official Journal of the Society for Research on Adolescence* , 29(1), 196–209. <https://doi.org/10.1111/jora.12376>

Yuen, C.X†., Fuligni, A.J., Gonzales, N.A., & Telzer, E.H. (2018). Family first?: The costs and benefits of family centrality for adolescents with high-conflict families. *Journal of Youth and Adolescence* , 47, 245-259. <https://doi.org/10.1007/s10964-017-0692-6>

Zablotsky B, Arockiaraj B, Haile G, Ng AE. (2024). Daily screen time among teenagers: United States, July 2021–December 2023. NCHS Data Brief, no 513. Hyattsville, MD: National Center for Health Statistics. DOI: <https://dx.doi.org/10.15620/cdc/168509>

Zell, A. L., & Moeller, L. (2018). Are you happy for me ... on Facebook? The potential importance of "likes" and comments. *Computers in Human Behavior* , 78 , 26–33. <https://doi.org/10.1016/j.chb.2017.08.050>

Zewude, G. T., Natnael, T., Woreta, G. T., & Bezie, A. E. (2025). A Multi- Mediation Analysis on the Impact of Social Media and Internet Addiction on University and High School Students' Mental Health Through Social Capital and Mindfulness. *International Journal of Environmental Research and Public Health*, 22(1), 57. <https://doi.org/10.3390/ijerph22010057>

Zhang, X., Wu, Y., & Liu, S. (2019). Exploring short-form video application addiction: Socio-technical and attachment perspectives. In *Telematics and Informatics* (Vol. 42, p. 101243). Elsevier BV. <https://doi.org/10.1016/j.tele.2019.101243>

Zheng, K., et. al., (2021) Developmental Assets of Adolescents and Young Adults With Chronic Illness and Comorbid Depression: Qualitative Study Using YouTube. *JMIR Ment Health* , 16, 8(2), e23960. <https://doi: 10.2196/23960>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2021	<i>Nature Communications</i>	Zhou, F.	Zhao, W., Qi, Z., Geng, Y., Yao, S., Kendrick, K. M., Wager, T. D., & Becker, B.
2020	<i>Psychiatric Quarterly</i>	Zhou, X	Rau, P.-L. P., Yang, C.-L., & Z
2020	<i>Frontiers in Human Neuroscience</i>	Zickerick, B.	Thönes, S., Kobald, S. O., Wascher, E., Schneider, D., & Küper, K.
2020	<i>Psychology of Popular Media</i>	Zimmer-Gembeck	Hawes, Pariz
2023	<i>Computers in Human Behavior</i>	Zimmer-Gembeck	Hawes, Scott, Campbell, Webb
2024	<i>Computers in Human Behavior</i>	Zimmer-Gembeck	Scott, Hawes
2021	<i>Journal of Youth and Adolescence</i>	Zimmer-Gembeck	Rudolph, Webb, Henderson, Hawes

Ex. B: Materials Considered List

Literature Review - Article NameTitle
A distributed fMRI-based signature for the subjective experience of fear.
Cognitive Behavioral Therapy-Based Short-Term Abstinence Intervention for Problematic Social Media Use: Improved Well-Being and Underlying Mechanisms
Differential effects of interruptions and distractions on working memory processes in an ERP study
A Closer Look at Appearance and Social Media: Measuring Activity, Self-Presentation, and Social Comparison and Their Associations With Emotional Adjustment
Adolescents' online appearance preoccupation: A 5-year longitudinal study of the influence of peers, parents, beliefs, and disordered eating
Appearance-related teasing, rejection sensitivity, acceptance, and coping as risks and resources associated with online appearance preoccupation over one year
Face-to-Face and Cyber-Victimization: A Longitudinal Study of Offline Appearance Anxiety and Online Appearance Preoccupation

Literature Review - APA Publication Cite
<p>Zhou, F., Zhao, W., Qi, Z., Geng, Y., Yao, S., Kendrick, K. M., Wager, T. D., & Becker, B. (2021). A distributed fMRI-based signature for the subjective experience of fear. <i>Nature Communications</i>, 12(1), 6643. https://doi.org/10.1038/s41467-021-26977-3</p>
<p>Zhou, X., Rau, P.-L. P., Yang, C.-L., & Zhou, X. (2020). Cognitive Behavioral Therapy-Based Short-Term Abstinence Intervention for Problematic Social Media Use: Improved Well-Being and Underlying Mechanisms. <i>Psychiatric Quarterly</i>, 92 (2). https://doi.org/10.1007/s11126-020-09852-0</p>
<p>Zickerick, B., Thönes, S., Kobald, S. O., Wascher, E., Schneider, D., & Küper, K. (2020). Differential effects of interruptions and distractions on working memory processes in an ERP study. <i>Frontiers in Human Neuroscience</i>, 14, 11484. https://doi.org/10.3389/fnhum.2020.11484</p>
<p>Zimmer-Gembeck, M. J., Hawes, T., & Pariz, J. (2020). A closer look at appearance and social media: Measuring activity, self-presentation, and social comparison and their associations with emotional adjustment. <i>Psychology of Popular Media</i>, 10 (1). https://doi.org/10.1037/ppm0000277</p>
<p>Zimmer-Gembeck, M. J., Hawes, T., Scott, R. A., Campbell, T., & Webb, H. J. (2023). Adolescents’ online appearance preoccupation: A 5-year longitudinal study of the influence of peers, parents, beliefs, and disordered eating. <i>Computers in Human Behavior</i>, 140, 107569. https://doi.org/10.1016/j.chb.2022.107569</p>
<p>Zimmer-Gembeck, M. J., Scott, R. A., & Hawes, T., (2024). Appearance-related Teasing, Rejection Sensitivity, Acceptance, and Coping as Risks and Resources Associated with Online Appearance Preoccupation Over One Year. <i>Computers in Human Behavior</i>, 108319–108319. https://doi.org/10.1016/j.chb.2024.108319</p>
<p>Zimmer-Gembeck, M.J., Rudolph, J., Webb, H.J. <i>et al.</i> (2021). Face-to-Face and Cyber-Victimization: A Longitudinal Study of Offline Appearance Anxiety and Online Appearance Preoccupation. <i>Journal of Youth and Adolescence</i> 50, 2311–2323. https://doi.org/10.1007/s10964-020-01367-y</p>

Ex. B: Materials Considered List

Literature Review - Year	Literature Review - Journal	Literature Review - Lead Author	Literature Review - Other Authors
2019	<i>Preventive Medicine Reports</i>	Zinka	Belchera, Kechtera, Stoneb, & Leventhal
(n.d.)	<i>Child Development</i>	N/A	N/A
(n.d.)	<i>Brain and Environment</i>	N/A	N/A
2024	<i>Affective Science</i>	Boyd, S. I.	Dreier, M. J., Jorgensen, S. L., Moghaddas, S. L., Kleiman, E., & Hamilton, J. L.
2018	<i>Developmental Cognitive Neuroscience</i>	Herting, M. M.	Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C.
2004	<i>Oxford University Press.</i>	Huettel, S.A.	Song, A.W, & McCarthy, G.
2019	<i>Communications Biology</i>	Nee, D. E.	N/A
2024	<i>Cambridge University Press.</i>	Poldrack, R. A.	Mumford, J. A., & Nichols, T. E.
(n.d.)	<i>Social Cognitive and Affective Neuroscience</i>	N/A	N/A

Ex. B: Materials Considered List

Literature Review - Article NameTitle
Reciprocal associations between screen time and emotional disorder symptoms during adolescence
N/A
N/A
Momentary associations between emotional responses to social media and affect: Consistency across global affect and specific emotional states
Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies
Functional Magnetic Resonance Imaging
fMRI replicability depends upon sufficient individual-level data
Handbook of functional MRI data analysis
N/A

Ex. B: Materials Considered List

Literature Review - APA Publication Cite
Zink, J., Belcher, B. R., Kechter, A., Stone, M. D., & Leventhal, A. M. (2019). Reciprocal associations between screen time and emotional disorder symptoms during adolescence. <i>Preventive medicine reports</i> , 13 , 281–288. https://doi.org/10.1016/j.pmedr.2019.01.014
N/A
N/A
Boyd, S. I., Dreier, M. J., Jorgensen, S. L., Moghaddas, S. L., Kleiman, E., & Hamilton, J. L. (2024). Momentary associations between emotional responses to social media and affect: Consistency across global affect and specific emotional states. <i>Affective Science</i> , 1-10.
Herting, M. M., Gautam, P., Chen, Z., Mezher, A., & Vetter, N. C. (2018). Test-retest reliability of longitudinal task-based fMRI: Implications for developmental studies. <i>Developmental Cognitive Neuroscience</i> , 33, 17-26.
Huettel, S.A., Song, A.W, & McCarthy, G, (2004). <i>Functional Magnetic Resonance Imaging</i> . Oxford University Press.
Nee, D. E. (2019). fMRI replicability depends upon sufficient individual-level data. <i>Communications Biology</i> , 2(1), 130.
Poldrack, R. A., Mumford, J. A., & Nichols, T. E. (2024). <i>Handbook of functional MRI data analysis</i> . Cambridge University Press.
N/A

Ex. B: Materials Considered List

Date	Description
(n.d.)	#StatusofMind: Social media and young people's mental health and wellbeing
10/7/2021	7 facts about Americans and Instagram
2/3/2022	American Psychological Association. Why young brains are especially vulnerable to social media
6/7/2023	ASMU-Group x Puberty interaction on positive social feedback vs. neutral social feedback.
3/9/2022	Common Sense Census: Media Use by Tweens and Teens, 2021
(n.d.)	Common Sense Census: Media Use by Tweens and Teens, 2021
6/18/2024	Common Sense Media - Getting Help Online: How Young People Find, Evaluate, and Use Mental Health Apps, Online Therapy, and Behavioral Health Information
11/16/2022	Connection, creativity, and drama: Teen life on social media in 2022.
(n.d.)	Constant Companion: A Week in the Life of a Young Person's Smartphone Use (2023)
12/15/2022	Deadly By Design - TikTok pushes harmful content promoting eating disorders and self-harm into young users' feeds

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Date	Description
(n.d.)	Designing for Disorder: Instagram's Pro-eating Disorder Bubble.
	Digital civic engagement by young people
4/3/2025	Do smartphones and social media teally harm teens' mental health?
12/8/2021	Eight out of 10 Gen Zers say social media distracts from school
12/13/2024	Facebook Feed Recommendations AI System
5/22/2017	Facebook lets teenagers see porn: Children as young as 13 are being exposed to explicit images, gambling websites and dangerous diet plans
4/9/2012	Facebook to Acquire Instagram
	Frontiers for Young Minds: Science for kids, edited by kids. (n.d.).
10/21/2024	Giving people the power to build community and bring the world closer together.
7/27/2021	Giving Young People a Safer, More Private Experience

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Date	Description
6/12/2024	High school teachers say phone distraction in class is a big problem in the US.
11/2/2023	His Job Was to Make Instagram Safe for Teens. His 14-Year-Old Showed Him What the App Was Really Like
9/29/2021	How Instagram is Hurting Teen Girls
5/24/2023	How to help teens handle social media safely
1/19/2023	Instagram Announces “Quiet Mode” to Help Protect Teens [Video]
6/23/2022	Introducing New Ways to Verify Age on Instagram
1/25/2024	Introducing Stricter Message Settings for Teens on Instagram and Facebook
3/29/2022	Is TikTok Dangerous for Teens?
(n.d.)	LinkedIn
(n.d.)	Learn How To Become A Cognitive Neuroscientist
8/22/2024	Lembke Report with Exhibits (redacted)

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Date	Description
4/5/2021	Letter from Congress to Mark Zuckerberg RE Facebook's recent announcement to launch an Instagram for users under 13
10/20/2021	Letter from Richard Blumenthal to Mark Zuckerberg Re: participation in a Congressional hearing on Instagram and kids
(n.d.)	Likes vs. Learning: The Real Cost of Social Media for Schools
12/4/2019	Making Instagram Safer for the Youngest Members of Our Community
3/14/2025	Meta Defendants' Fourth Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
4/17/2025	Meta Defendants' Seventh Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
4/4/2025	Meta Defendants' Sixth Supplemental and Amended Responses and Objections to Plaintiffs' Second Set of Interrogatories
12/19/2024	Meta Updated Safety Feature Timeline - Draft Report Exhibit
(n.d.)	Miki Rothschild LinkedIn
11/21/2024	Miki Rothschild Third Amended Deposition Cross-Notice for 11/21/2024

Ex. B: Materials Considered List

Date	Description
10/18/2021	Mott Poll Report. Sharing Too Soon? Children and Social Media Apps.
(n.d.)	National Institute on Drug Abuse - Drug Misuse and Addiction
(n.d.)	National Youth Mental Health Survey 2018: mental health and wellbeing over time
10/31/2024	NCHS Data Brief.Number 513.October 2024
9/27/2018	NEA - Social Media's Impact on Students' Mental Health Comes Into Focus
(n.d.)	North Carolina Collaboratory
1/9/2023	Paper presented at Assessment of the Impact of Social Media on the Health and Wellbeing of Children and Adolescents Meeting 1
7/28/2020	Parenting Children in the Age of Screens
12/18/2024	Parent's Guide to Instagram
1/7/2016	Parents, Teens and Digital Monitoring
11/20/2012	Parents, Teens, and Online Privacy
9/27/2021	Pausing "Instagram Kids" and Building Parental Supervision Tools

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Date	Description
1/25/2024	Pew Research - arents, young adult children and the transition to adulthood
(n.d.)	Psychiatry.org - Choosing a Career in Psychiatry
(n.d.)	Puberty and Precocious Puberty
(n.d.)	Pursuing a Career in Clinical or Counseling Psychology
(n.d.)	Pursuing a Career in Developmental Psychology
(n.d.)	Pursuing a Career in Social Psychology
12/7/2021	Raising the Standard for Protecting Teens and Supporting Parents Online
10/13/2022	Regulation 28 Report to Prevent Future Deaths
12/22/2021	Research: How AR Filters Impact People's Self-Image.
(n.d.)	Reviewing Child Sexual Abuse Material Reporting Functions On Popular Platforms.
8/9/2023	Scaling the Instagram Explore Recommendations System
6/27/2024	Second Amended Master Complaint (PI) dkt 494.0

Ex. B: Materials Considered List

Date	Description
8/22/2024	Second Corrected Report Christine Brown
(n.d.)	Social Cognitive and Affective Neuroscience
(n.d.)	Social Media and Teens
(n.d.)	Social Media and Youth Mental Health
1/7/2022	Social Media Could Be a Brain-Changer for Teens
(n.d.)	Social media is changing how children's brains develop, UNC researchers find
1/20/2025	Social Media Rewires Young Minds - Here's How
1/3/2023	Social Media Use Is Linked to Brain Changes in Teens, Research Finds
(n.d.)	State Board of Education Members
5/31/2018	Teens, Social Media & Technology 2018
8/10/2022	Teens, Social Media and Technology 2022

Ex. B: Materials Considered List

Date	Description
12/11/2023	Teens, Social Media and Technology 2023
11/28/2018	Teens' social media habits and experiences
9/15/2008	The Child's Developing Brain - Interactive
10/28/2019	The Common Sense census: Media use by teens and tweens
6/5/2023	The Whole Story on the Battle Between Tech Giants and Families
12/8/2021	Thinstagram': Instagram's algorithm fuels eating disorder epidemic
12/19/2024	TikTok Feature Timeline - 12.18.2024 - Updated with the sources for the launch date
12/20/2009	To Deal With Obsession, Some Defriend Facebook
12/31/2023	United States Securities and Exchange Commission Washington, D.C. 20549 FORM 10-K for Meta Platforms, Inc. Annual Report

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Date	Description
6/20/2018	Welcome to IGTV, our New Video App
12/13/2021	What Makes TikTok so Addictive?: An Analysis of the Mechanisms Underlying the World's Latest Social Media Craze.
2/7/2023	White House Office of Science and Technology Report on Mental Health Research Priorities
(n.d.)	WHO, Adolescent Health
8/27/2024	Why Many Parents and Teens Think It's Harder Being a Teen Today.

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Abby Tran	2/26/2025	Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 1 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 2 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 3 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 4 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 5 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 6 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 7 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 8 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 9 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 10 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 11 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 12 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 13 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 14 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 15 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 16 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 17 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 18 to Deposition Transcript of Abby Tran

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Abby Tran	2/26/2025	Exhibit 19 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 20 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 21 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 22 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 23 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 24 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 25 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 26 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 27 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 28 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 29 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 30 to Deposition Transcript of Abby Tran
Snap	Abby Tran	2/26/2025	Exhibit 31 to Deposition Transcript of Abby Tran
Meta	Adam Mosseri	3/17/2025	Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 1 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 2 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 3 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 4 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 5 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/17/2025	Exhibit 6 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 7 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 8 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 9 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 10 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 11 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 12 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 13 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 14 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 15 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 16 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 17 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 18 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 19 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 20 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 21 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 22 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 23 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 24 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/17/2025	Exhibit 25 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 26 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 27 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 28 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 29 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 30 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 31 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 32 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 33 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 34 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 35 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 36 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 37 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 38 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 39 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 40 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 41 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 42 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 43 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/17/2025	Exhibit 44 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 45 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/17/2025	Exhibit 46 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 47 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 48 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 49 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 50 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 51 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 52 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 53 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 54 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 55 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 56 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 57 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 58 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 59 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 60 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 61 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/18/2025	Exhibit 62 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 63 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 64 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 65 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 66 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 67 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 68 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 69 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 70 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 71 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 72 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 73 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 74 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 75 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 76 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 77 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 78 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 79 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 80 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/18/2025	Exhibit 81 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 82 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 83 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 84 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 85 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 86 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 87 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 88 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 89 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 90 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 91 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 92 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 93 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 94 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 95 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 96 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 97 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 98 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 99 to Deposition Transcript of Adam Mosseri

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Defendant	Witness	Date	Description
Meta	Adam Mosseri	3/18/2025	Exhibit 100 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 101 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 102 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 103 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 104 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 105 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 106 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 107 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 108 to Deposition Transcript of Adam Mosseri
Meta	Adam Mosseri	3/18/2025	Exhibit 109 to Deposition Transcript of Adam Mosseri
YouTube	Adi Jain	3/21/2025	Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 1 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 2 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 3 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 4 to Deposition Transcript of Adi Jain 30(b)(6)
YouTube	Adi Jain	3/21/2025	Exhibit 5 to Deposition Transcript of Adi Jain 30(b)(6)
Snap	Alex Osborne	1/10/2025	Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 1 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 2 to Deposition Transcript of Alex Osborne

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Defendant	Witness	Date	Description
Snap	Alex Osborne	1/10/2025	Exhibit 3 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 4 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 5 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 6 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 7 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 8 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 9 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 10 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 11 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 12 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 13 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 14 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 15 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 16 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 17 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 18 to Deposition Transcript of Alex Osborne
Snap	Alex Osborne	1/10/2025	Exhibit 19 to Deposition Transcript of Alex Osborne
YouTube	Alice Wu Paulus	1/29/2025	Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 1 to Deposition Transcript of Alice Wu Paulus

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Defendant	Witness	Date	Description
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 2 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 3 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 4 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 5 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 6 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 7 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 8 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 9 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 10 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 11 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 12 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 13 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 14 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 15 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 16 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 17 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 18 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 19 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 20 to Deposition Transcript of Alice Wu Paulus

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 21 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 22 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 23 to Deposition Transcript of Alice Wu Paulus
YouTube	Alice Wu Paulus	1/29/2025	Exhibit 24 to Deposition Transcript of Alice Wu Paulus
Meta		2/6/2025	Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		2/6/2025	Exhibit 14 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/6/2025	Exhibit 15 to Deposition Transcript of
Meta		2/6/2025	Exhibit 16 to Deposition Transcript of
Meta		2/6/2025	Exhibit 17 to Deposition Transcript of
Meta		2/6/2025	Exhibit 18 to Deposition Transcript of
Meta		2/6/2025	Exhibit 19 to Deposition Transcript of
Meta		2/6/2025	Exhibit 20 to Deposition Transcript of
Meta		2/6/2025	Exhibit 21 to Deposition Transcript of
Meta		2/6/2025	Exhibit 22 to Deposition Transcript of
Meta		2/6/2025	Exhibit 23 to Deposition Transcript of
Meta		2/6/2025	Exhibit 24 to Deposition Transcript of
Meta		2/6/2025	Exhibit 25 to Deposition Transcript of
Meta		2/6/2025	Exhibit 26 to Deposition Transcript of
Meta		2/6/2025	Exhibit 27 to Deposition Transcript of
Meta		2/6/2025	Exhibit 28 to Deposition Transcript of
Meta		2/6/2025	Exhibit 29 to Deposition Transcript of
Meta		2/6/2025	Exhibit 30 to Deposition Transcript of
Meta		2/6/2025	Exhibit 31 to Deposition Transcript of
Meta		2/6/2025	Exhibit 32 to Deposition Transcript of
Meta		2/6/2025	Exhibit 33 to Deposition Transcript of

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/6/2025	Exhibit 34 to Deposition Transcript of
Meta		2/6/2025	Exhibit 35 to Deposition Transcript of
Meta		2/6/2025	Exhibit 36 to Deposition Transcript of
Meta		2/6/2025	Exhibit 37 to Deposition Transcript of
Snap	Althea Tupper	11/14/2024	Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 1 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 2 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 3 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 4 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 5 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 6 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 7 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 8 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 9 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 10 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 11 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 12 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 13 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 14 to Deposition Transcript of Althea Tupper

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Althea Tupper	11/14/2024	Exhibit 15 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 16 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 17 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 18 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 19 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 20 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 21 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 22 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 23 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 24 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 25 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 26 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 27 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 28 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 29 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 30 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 31 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 32 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 33 to Deposition Transcript of Althea Tupper

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Althea Tupper	11/14/2024	Exhibit 34 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 35 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 36 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 37 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 38 to Deposition Transcript of Althea Tupper
Snap	Althea Tupper	11/14/2024	Exhibit 39 to Deposition Transcript of Althea Tupper
Meta	Arturo Bejar	4/7/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 1 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 2 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 3 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 4 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 5 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 6 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 7 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 8 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 9 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 10 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 11 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 12 to Deposition Transcript of Arturo Bejar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Arturo Bejar	4/7/2025	Exhibit 13 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 14 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 15 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 16 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 17 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 18 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 19 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 20 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 21 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 22 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 23 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 24 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 25 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 26 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 27 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/7/2025	Exhibit 28 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 29 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 30 to Deposition Transcript of Arturo Bejar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Arturo Bejar	4/8/2025	Exhibit 31 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 32 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 33 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 34 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 35 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 36 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 37 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 38 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 39 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 40 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 41 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 42 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 43 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 44 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 45 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 46 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 47 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 48 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 49 to Deposition Transcript of Arturo Bejar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Arturo Bejar	4/8/2025	Exhibit 50 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 51 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 52 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 53 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 54 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 55 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 56 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 57 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 58 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 59 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 60 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 61 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 62 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 63 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 64 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 65 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 66 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 67 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/8/2025	Exhibit 68 to Deposition Transcript of Arturo Bejar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Arturo Bejar	4/8/2025	Exhibit 69 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 70 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 71 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 72 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 73 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 74 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 75 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 76 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 77 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 78 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 79 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 80 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 81 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 82 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 83 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 84 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 85 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 86 to Deposition Transcript of Arturo Bejar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Arturo Bejar	4/9/2025	Exhibit 87 to Deposition Transcript of Arturo Bejar
Meta	Arturo Bejar	4/9/2025	Exhibit 88 to Deposition Transcript of Arturo Bejar
Meta	Aza Raskin	3/17/2025	Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 1 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 2 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 3 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 4 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 5 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 6 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 7 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 8 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 9 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 10 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 11 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 12 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 13 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 14 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 15 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 16 to Deposition Transcript of Aza Raskin

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Aza Raskin	3/17/2025	Exhibit 17 to Deposition Transcript of Aza Raskin
Meta	Aza Raskin	3/17/2025	Exhibit 18 to Deposition Transcript of Aza Raskin
YouTube	Caitlin Niedermeyer	4/16/2025	Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 1 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 2 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 3 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 4 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 5 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 6 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 7 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
YouTube	Caitlin Niedermeyer	4/16/2025	Exhibit 8 to Deposition Transcript of Caitlin Niedermeyer 30(b)(6)
Meta		10/16/2024	Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 7 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/16/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		10/16/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 6A to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	[REDACTED] 17 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 24 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/17/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		10/17/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Snap	Claudia Chan	2/7/2025	Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 1 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 2 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 3 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 4 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 5 to Deposition Transcript of Claudia Chan

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Claudia Chan	2/7/2025	Exhibit 6 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 7 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 8 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 9 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 10 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 11 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 12 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 13 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 14 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 15 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 16 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 17 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 18 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 19 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 20 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 21 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 22 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 23 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 24 to Deposition Transcript of Claudia Chan

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Claudia Chan	2/7/2025	Exhibit 25 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 26 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 27 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 28 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 29 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 30 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 31 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 32 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 33 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 34 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 35 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 36 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 37 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 38 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 39 to Deposition Transcript of Claudia Chan
Snap	Claudia Chan	2/7/2025	Exhibit 40 to Deposition Transcript of Claudia Chan
TikTok	Cormac Keenan	3/25/2025	Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 1 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 2 to Deposition Transcript of Cormac Keenan

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Cormac Keenan	3/25/2025	Exhibit 3 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 4 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 5 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 6 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 7 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 8 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 9 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 10 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 11 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 12 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 13 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 14 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 15 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 16 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 17 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 18 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 19 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 20 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 21 to Deposition Transcript of Cormac Keenan

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Cormac Keenan	3/25/2025	Exhibit 22 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 23 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 24 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 25 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 26 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 27 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 28 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 29 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 30 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 31 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 32 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 33 to Deposition Transcript of Cormac Keenan
TikTok	Cormac Keenan	3/25/2025	Exhibit 34 to Deposition Transcript of Cormac Keenan
YouTube	Cristos Goodrow	2/19/2025	Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 1 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 2 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 3 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 4 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 5 to Deposition Transcript of Cristos Goodrow

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Cristos Goodrow	2/19/2025	Exhibit 6 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 7 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 8 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 9 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 10 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 11 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 12 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 13 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 14 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 15 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 16 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 17 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 18 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 19 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 20 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 21 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 22 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 23 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 24 to Deposition Transcript of Cristos Goodrow

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Cristos Goodrow	2/19/2025	Exhibit 25 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 26 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/19/2025	Exhibit 27 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Deposition Transcripts and Exhibits of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 28 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 29 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 30 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 31 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 32 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 33 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 34 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 35 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 36 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 37 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 38 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 39 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 40 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 41 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 42 to Deposition Transcript of Cristos Goodrow

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Cristos Goodrow	2/20/2025	Exhibit 43 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 44 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 45 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 46 to Deposition Transcript of Cristos Goodrow
YouTube	Cristos Goodrow	2/20/2025	Exhibit 47 to Deposition Transcript of Cristos Goodrow
Meta		12/17/2024	Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 13 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/17/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 32 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/17/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 42 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 44 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 45 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 46 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 47 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 51 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/17/2024	Exhibit 52 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 53 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 54 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 55 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 56 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 57 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 58 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 59 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 60 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 61 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 62 to Deposition Transcript of [REDACTED]
Meta		12/17/2024	Exhibit 63 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 64 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 65 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 66 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 67 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 68 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 69 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/18/2024	Exhibit 70 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 71 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 72 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 73 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 74 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 75 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 76 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 77 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 78 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 79 to Deposition Transcript of [REDACTED]
Meta		12/18/2024	Exhibit 80 to Deposition Transcript of [REDACTED]
Snap	David Boyle	2/26/2025	Exhibit 1 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 2 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 3 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 4 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 5 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 6 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 7 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 8 to Deposition Transcript of David Boyle 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	David Boyle	2/26/2025	Exhibit 9 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 10 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 11 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 12 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 13 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 14 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 15 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 16 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 17 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 18 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 19 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 20 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 21 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 22 to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/27/2025	Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 1 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 2 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 3 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 4 to Deposition Transcript of David Boyle

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	David Boyle	2/27/2025	Exhibit 5 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 6 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 7 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 8 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 9 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 10 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 10-1 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 11 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 12 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 13 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 14 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 15 to Deposition Transcript of David Boyle
Snap	David Boyle	2/27/2025	Exhibit 16 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Deposition Transcripts of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 17 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 18 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 19 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 20 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 21 to Deposition Transcript of David Boyle

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	David Boyle	4/2/2025	Exhibit 22 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 23 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 24 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 25 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 26 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 27 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 28 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 29 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 30 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 31 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 32 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 33 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 34 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 35 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 36 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 37 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 38 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 39 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 40 to Deposition Transcript of David Boyle

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	David Boyle	4/2/2025	Exhibit 41 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 42 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 43 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 44 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 45 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 46 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 47 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 48 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 49 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 50 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit 51 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit PM-6 to Deposition Transcript of David Boyle
Snap	David Boyle	4/2/2025	Exhibit PM-7 to Deposition Transcript of David Boyle
Snap	David Boyle	2/26/2025	Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-A to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-B to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-C to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-D to Deposition Transcript of David Boyle 30(b)(6)
Snap	David Boyle	2/26/2025	Exhibit 1-E to Deposition Transcript of David Boyle 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	David Lue	3/26/2025	Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 1 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 2 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 3 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 4 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 5 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 6 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 7 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 8 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 9 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 10 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 11 to Deposition Transcript of David Lue
Snap	David Lue	3/26/2025	Exhibit 12 to Deposition Transcript of David Lue
Snap	Deborah Oshuntola	2/4/2025	Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 1 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 2 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 3 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 4 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 5 to Deposition Transcript of Deborah Oshuntola

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Deborah Oshuntola	2/4/2025	Exhibit 6 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 7 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 8 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 9 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 10 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 11 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 12 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 13 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 14 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 15 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 16 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 17 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 18 to Deposition Transcript of Deborah Oshuntola
Snap	Deborah Oshuntola	2/4/2025	Exhibit 19 to Deposition Transcript of Deborah Oshuntola
Meta		10/22/2024	Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 4 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/22/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 23 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/22/2024	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		10/22/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		10/23/2024	Exhibit 41 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/23/2024	Exhibit 42 to Deposition Transcript of [REDACTED]
TikTok	Drew Kirchoff	3/16/2025	Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 1 to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 2 to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3 to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3A to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3B to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3C to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3D to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3E to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3F to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3G to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3H to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3I to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3J to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3K to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 3L to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 4 to Deposition Transcript of Drew Kirchhoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 5 to Deposition Transcript of Drew Kirchhoff

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6A to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6B to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6C to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6D to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 6E to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 7 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 8 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 9 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 10 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 11 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 12 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 13 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 14 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 15 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 16 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 17 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 18 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 19 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 20 to Deposition Transcript of Drew Kirchoff

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Drew Kirchoff	3/16/2025	Exhibit 21 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 22 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 23 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 24 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 25 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 26 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 27 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 28 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 29 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 30 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 31 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 32 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 33 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 34 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 35 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 36 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 37 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 38 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 39 to Deposition Transcript of Drew Kirchoff

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Drew Kirchoff	3/16/2025	Exhibit 40 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 41 to Deposition Transcript of Drew Kirchoff
TikTok	Drew Kirchoff	3/16/2025	Exhibit 42 to Deposition Transcript of Drew Kirchoff
Meta		3/5/2025	Deposition Transcript of Elena Davis
Meta		3/5/2025	Exhibit 1 to Deposition Transcript of
Meta		3/5/2025	Exhibit 2 to Deposition Transcript of
Meta		3/5/2025	Exhibit 3 to Deposition Transcript of
Meta		3/5/2025	Exhibit 4 to Deposition Transcript of
Meta		3/5/2025	Exhibit 5 to Deposition Transcript of
Meta		3/5/2025	Exhibit 6 to Deposition Transcript of
Meta		3/5/2025	Exhibit 7 to Deposition Transcript of
Meta		3/5/2025	Exhibit 8 to Deposition Transcript of
Meta		3/5/2025	Exhibit 9 to Deposition Transcript of
Meta		3/5/2025	Exhibit 10 to Deposition Transcript of
Meta		3/5/2025	Exhibit 11 to Deposition Transcript of
Meta		3/5/2025	Exhibit 12 to Deposition Transcript of
Meta		3/5/2025	Exhibit 13 to Deposition Transcript of
Meta		3/5/2025	Exhibit 14 to Deposition Transcript of
Meta		3/5/2025	Exhibit 15 to Deposition Transcript of

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/5/2025	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		3/5/2025	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		3/6/2025	Exhibit 33 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/6/2025	Exhibit 34 to Deposition Transcript of
Meta		3/6/2025	Exhibit 35 to Deposition Transcript of
Meta		3/6/2025	Exhibit 36 to Deposition Transcript of
Meta		3/6/2025	Exhibit 37 to Deposition Transcript of
Meta		3/6/2025	Exhibit 38 to Deposition Transcript of
Meta		3/6/2025	Exhibit 39 to Deposition Transcript of
TikTok	Emma Gribbon	2/24/2025	Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 1 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 2 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 3 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 4 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 5 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 6 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 7 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 8 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 9 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 10 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 11 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 12 to Deposition Transcript of Emma Gribbon

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Emma Gribbon	2/24/2025	Exhibit 13 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 14 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 15 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 16 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 17 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 18 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 19 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 20 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 21 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 22 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 23 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 24 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 25 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 26 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 27 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 28 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 29 to Deposition Transcript of Emma Gribbon
TikTok	Emma Gribbon	2/24/2025	Exhibit 30 to Deposition Transcript of Emma Gribbon
TikTok	Eric Ebenstein	3/11/2025	Deposition Transcript of Eric Ebenstein

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Ebenstein	3/11/2025	Exhibit 1 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 2 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 4 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 5 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 6 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 7 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 8 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 9 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 10 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 11 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 12 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 13 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 14 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 15 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 16 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 17 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 18 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 19 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 20 to Deposition Transcript of Eric Ebenstein

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Ebenstein	3/11/2025	Exhibit 21 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 22 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 23 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 24 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 25 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 26 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 27 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 28 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 29 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 30 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 31 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 32 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 33 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 34 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 35 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 36 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 37 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 38 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 39 to Deposition Transcript of Eric Ebenstein

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Ebenstein	3/11/2025	Exhibit 40 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 41 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 42 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 43 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 44 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 45 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 46 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 47 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 48 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 49 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 50 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 51 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 52 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 53 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 54 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 55 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 56 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 57 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 58 to Deposition Transcript of Eric Ebenstein

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Ebenstein	3/11/2025	Exhibit 59 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 60 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 61 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/11/2025	Exhibit 62 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 63 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 64 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 65 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 66 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 67 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 68 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 69 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 70 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 71 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 72 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 73 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 74 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 75 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 77 to Deposition Transcript of Eric Ebenstein

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Ebenstein	3/12/2025	Exhibit 79 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 80 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 81 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 83 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Ebenstein	3/12/2025	Exhibit 84 to Deposition Transcript of Eric Ebenstein
TikTok	Eric Han	3/11/2025	Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 1 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 2 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 3 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 4 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 5 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 6 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 7 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 8 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 9 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 10 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 11 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 12 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 13 to Deposition Transcript of Eric Han

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Han	3/11/2025	Exhibit 14 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 15 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 16 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 17 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 18 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 19 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 20 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 21 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 22 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 23 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 24 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 25 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 26 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 27 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 28 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 29 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 30 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 31 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 32 to Deposition Transcript of Eric Han

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Han	3/11/2025	Exhibit 33 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 34 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 35 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 36 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 37 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 38 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 39 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 40 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 41 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 42 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 43 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 44 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 45 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 46 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 47 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 48 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 49 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 50 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/11/2025	Exhibit 51 to Deposition Transcript of Eric Han

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Eric Han	3/11/2025	Exhibit 52 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 53 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 54 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 55 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 56 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 57 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 58 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 59 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 60 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 61 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 62 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 63 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 64 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 65 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 66 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 67 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 68 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 69 to Deposition Transcript of Eric Han

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Defendant	Witness	Date	Description
TikTok	Eric Han	3/12/2025	Exhibit 70 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 71 to Deposition Transcript of Eric Han
TikTok	Eric Han	3/12/2025	Exhibit 72 to Deposition Transcript of Eric Han
YouTube	Erin Turner	1/22/2025	Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 1 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 2 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 3 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 4 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 5 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 6 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 7 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 8 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 9 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 10 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 11 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 12 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 13 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 14 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 15 to Deposition Transcript of Erin Turner

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Erin Turner	1/22/2025	Exhibit 16 to Deposition Transcript of Erin Turner
YouTube	Erin Turner	1/22/2025	Exhibit 17 to Deposition Transcript of Erin Turner
YouTube	Fred Gilbert	2/20/2025	Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 1 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 2 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 3 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 4 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 5 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 6 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 7 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 8 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 9 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 10 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 11 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 12 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 13 to Deposition Transcript of Fred Gilbert
YouTube	Fred Gilbert	2/20/2025	Exhibit 14 to Deposition Transcript of Fred Gilbert
Google	Garth Graham	3/5/2025	Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 1 to Deposition Transcript of Garth Graham

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	Garth Graham	3/5/2025	Exhibit 2 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 3 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 4 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 5 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 6 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 7 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 8 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 9 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 10 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 11 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 12 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 13 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 14 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 15 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 16 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 17 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 18 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 19 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 20 to Deposition Transcript of Garth Graham

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	Garth Graham	3/5/2025	Exhibit 21 to Deposition Transcript of Garth Graham
Google	Garth Graham	3/5/2025	Exhibit 22 to Deposition Transcript of Garth Graham
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta		12/16/2024	
Meta	Guy Rosen	2/19/2025	Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 1 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 2 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 3 to Deposition Transcript of Guy Rosen

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Guy Rosen	2/19/2025	Exhibit 4 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 5 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 6 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 7 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 8 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 9 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 10 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 11 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/19/2025	Exhibit 12 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 13 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 14 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 15 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 16 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 17 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 18 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 19 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 20 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 21 to Deposition Transcript of Guy Rosen

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Guy Rosen	2/20/2025	Exhibit 22 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 23 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 24 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 25 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 26 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 27 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 28 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 29 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 30 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 31 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 32 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 33 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 34 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 35 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 36 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 37 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 38 to Deposition Transcript of Guy Rosen
Meta	Guy Rosen	2/20/2025	Exhibit 39 to Deposition Transcript of Guy Rosen
Snap	Jack Brody	2/5/2025	Deposition Transcript of Jack Brody

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jack Brody	2/5/2025	Exhibit 1 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 2 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 3 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 4 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 5 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 6 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 7 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 8 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 9 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 10 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 11 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 12 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 13 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 14 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 15 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 16 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 17 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 18 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 19 to Deposition Transcript of Jack Brody

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jack Brody	2/5/2025	Exhibit 20 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 21 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 22 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 23 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 24 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 25 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 26 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 27 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 28 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 29 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 30 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 31 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 32 to Deposition Transcript of Jack Brody
Snap	Jack Brody	2/5/2025	Exhibit 33 to Deposition Transcript of Jack Brody
Snap	Jacqueline Beauchere	3/13/2025	Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 1 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 2 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 3 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 4 to Deposition Transcript of Jacqueline Beauchere

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 5 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 6 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 7 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 8 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 9 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 10 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 11 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 12 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 13 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 14 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 15 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 16 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 17 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 18 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 19 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 20 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 21 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 22 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 23 to Deposition Transcript of Jacqueline Beauchere

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 24 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 25 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 26 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 27 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 28 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 29 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 30 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/13/2025	Exhibit 31 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 32 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 33 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 34 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 35 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 36 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 37 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 38 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 39 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 40 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 41 to Deposition Transcript of Jacqueline Beauchere

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 42 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 43 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 44 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 45 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 46 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 47 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 48 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 49 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 50 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 51 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 52 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 53 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 54 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 55 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 56 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 57 to Deposition Transcript of Jacqueline Beauchere
Snap	Jacqueline Beauchere	3/14/2025	Exhibit 58 to Deposition Transcript of Jacqueline Beauchere
Google	James Beser	4/2/2025	Deposition Transcripts of James Beser
Google	James Beser	4/2/2025	Exhibit 1 to Deposition Transcript of James Beser

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	James Beser	4/2/2025	Exhibit 2 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 3 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 4 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 5 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 6 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 7 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 8 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 9 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 10 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 11 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 12 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 13 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 14 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 15 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 16 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 17 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 18 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 19 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 20 to Deposition Transcript of James Beser

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	James Beser	4/2/2025	Exhibit 21 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 22 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 23 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 24 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 25 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 26 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 27 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 28 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 29 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 30 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 31 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 32 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 33 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 34 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 35 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 36 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 37 to Deposition Transcript of James Beser
Google	James Beser	4/2/2025	Exhibit 38 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Deposition Transcripts of James Beser

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	James Beser	4/3/2025	Exhibit 39 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 40 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 41 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 42 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 43 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 44 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 45 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 46 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 47 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 48 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 49 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 50 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 51 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 52 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 53 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 54 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 55 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 56 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 57 to Deposition Transcript of James Beser

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	James Beser	4/3/2025	Exhibit 58 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 59 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 60 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 61 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 62 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 63 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 64 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 65 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 66 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 67 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 68 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 69 to Deposition Transcript of James Beser
Google	James Beser	4/3/2025	Exhibit 70 to Deposition Transcript of James Beser
Google	James Beser	4/9/2025	Deposition Transcript of James Beser 30)(b)(6)
Google	James Beser	4/9/2025	Exhibit 1 to Deposition Transcript of James Beser 30(b)(6)
Google	James Beser	4/9/2025	Exhibit 2 to Deposition Transcript of James Beser 30(b)(6)
Google	James Beser	4/9/2025	Exhibit 3 to Deposition Transcript of James Beser 30(b)(6)
Google	James Beser	4/9/2025	Exhibit 4 to Deposition Transcript of James Beser 30(b)(6)
Google	James Beser	4/9/2025	Exhibit 5 to Deposition Transcript of James Beser 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jeb Boniakowski	3/20/2025	Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 1 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 2 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 3 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 4 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 5 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 6 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 7 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 8 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 9 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 10 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 11 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 12 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 13 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 15 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 16 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 17 to Deposition Transcript of Jeb Boniakowski
Snap	Jeb Boniakowski	3/20/2025	Exhibit 18 to Deposition Transcript of Jeb Boniakowski
Meta	[REDACTED]	11/14/2024	Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/14/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 19 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/14/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		11/14/2024	Exhibit 38 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jennifer Stout	3/26/2025	Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 1 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 2 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 3 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 4 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 5 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 6 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 7 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 8 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 9 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 10 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 11 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 12 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 13 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 14 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 15 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 16 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 17 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 18 to Deposition Transcript of Jennifer Stout

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jennifer Stout	3/26/2025	Exhibit 19 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 20 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 21 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 22 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 23 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 24 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/26/2025	Exhibit 25 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 26 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 27 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 28 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 29 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 30 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 31 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 32 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 33 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 34 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 35 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 36 to Deposition Transcript of Jennifer Stout

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Jennifer Stout	3/27/2025	Exhibit 37 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 38 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 39 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 40 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 41 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 42 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 43 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 44 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 45 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 46 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 47 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 48 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 49 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 50 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 51 to Deposition Transcript of Jennifer Stout
Snap	Jennifer Stout	3/27/2025	Exhibit 52 to Deposition Transcript of Jennifer Stout
Google	Jessica Dzuban	2/26/2025	Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 1 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 2 to Deposition Transcript of Jessica Dzuban

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	Jessica Dzuban	2/26/2025	Exhibit 3 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 4 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 5 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 6 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 7 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 8 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 9 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 10 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 12 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 13 to Deposition Transcript of Jessica Dzuban
Google	Jessica Dzuban	2/26/2025	Exhibit 14 to Deposition Transcript of Jessica Dzuban
TikTok	Jordan Furlong	4/11/2025	Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 1 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 2 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 3 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 4 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 5 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 6 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 7 to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/11/2025	Exhibit 8 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 9 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 10 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 11 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 12 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 13 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 14 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 15 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 16 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 17 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 18 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 19 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 20 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 21 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 22 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 23 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 23a to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 24 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 25 to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/11/2025	Exhibit 26 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 27 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 28 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 29 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 30 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 31 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 32 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 33 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 34 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 35 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 36 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 37 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 38 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 39 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 40 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 41 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 42 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 43 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 44 to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/11/2025	Exhibit 45 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 46 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 47 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 48 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 49 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 50 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 51 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 52 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 53 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 54 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 55 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 56 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 57 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 58 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 59 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 60 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/11/2025	Exhibit 61 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 62 to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/12/2025	Exhibit 63 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 64 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 65 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 66 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 67 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 68 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 69 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 70 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 71 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 72a to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 72b to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 72c to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 73 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 74 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 75 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 76 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77a to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77b to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/12/2025	Exhibit 77c to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77d to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77e to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77f to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77g to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 77h to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 78 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 79 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 80 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 81 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 82 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 83 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 84 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 85 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 86 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 87 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 88 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 89 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 90 to Deposition Transcript of Jordan Furlong

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Jordan Furlong	4/12/2025	Exhibit 91 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 92 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 93 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 94 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 95 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 96 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 97 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 98 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 99 to Deposition Transcript of Jordan Furlong
TikTok	Jordan Furlong	4/12/2025	Exhibit 100 to Deposition Transcript of Jordan Furlong
Snap	Josh Siegel	3/20/2025	Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 1 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 2 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 3 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 4 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 5 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 6 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 7 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 8 to Deposition Transcript of Josh Siegel

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Josh Siegel	3/20/2025	Exhibit 9 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 10 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 11 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 12 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 13 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 14 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 15 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 16 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 17 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 18 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 19 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 20 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 21 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 22 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 23 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 24 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 25 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 26 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 27 to Deposition Transcript of Josh Siegel

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Josh Siegel	3/20/2025	Exhibit 28 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 29 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 30 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 31 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 32 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 33 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 34 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 35 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 36 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 37 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 38 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 39 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 40 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 41 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 42 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 43 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 44 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 45 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 46 to Deposition Transcript of Josh Siegel

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Josh Siegel	3/20/2025	Exhibit 47 to Deposition Transcript of Josh Siegel
Snap	Josh Siegel	3/20/2025	Exhibit 48 to Deposition Transcript of Josh Siegel
TikTok	Julie De Balliencourt	3/27/2025	Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 1 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 2 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 3 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 4 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 5 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 6 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 7 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 8 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 9 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 10 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 11 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 12 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 13 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 14 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 15 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 16 to Deposition Transcript of Julie De Bailliencourt

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 17 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 18 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 19 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 20 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 21 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 22 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 23 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 24 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 25 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 26 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 27 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 28 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 29 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 30 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 31 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 32 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 33 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 34 to Deposition Transcript of Julie De Balliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 35 to Deposition Transcript of Julie De Balliencourt

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 36 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 37 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 38 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 39 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 40 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 41 to Deposition Transcript of Julie De Bailliencourt
TikTok	Julie De Balliencourt	3/27/2025	Exhibit 42 to Deposition Transcript of Julie De Bailliencourt
Snap	Juliet Shen	3/4/2025	Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 1 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 2 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 3 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 4 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 5 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 6 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 7 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 8 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 9 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 10 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 11 to Deposition Transcript of Juliet Shen

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Juliet Shen	3/4/2025	Exhibit 12 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 13 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 14 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 15 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 16 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 17 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 18 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 19 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 20 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 21 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 22 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 23 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 24 to Deposition Transcript of Juliet Shen
Snap	Juliet Shen	3/4/2025	Exhibit 25 to Deposition Transcript of Juliet Shen
Meta		3/13/2025	Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 4 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/13/2025	Exhibit 5 to Deposition Transcript o
Meta		3/13/2025	Exhibit 6 to Deposition Transcript o
Meta		3/13/2025	Exhibit 7 to Deposition Transcript o
Meta		3/13/2025	Exhibit 8 to Deposition Transcript o
Meta		3/13/2025	Exhibit 9 to Deposition Transcript o
Meta		3/13/2025	Exhibit 10 to Deposition Transcript of
Meta		3/13/2025	Exhibit 11 to Deposition Transcript of
Meta		3/13/2025	Exhibit 12 to Deposition Transcript of
Meta		3/13/2025	Exhibit 13 to Deposition Transcript of
Meta		3/13/2025	Exhibit 14 to Deposition Transcript of
Meta		3/13/2025	Exhibit 15 to Deposition Transcript of
Meta		3/13/2025	Exhibit 16 to Deposition Transcript of
Meta		3/13/2025	Exhibit 17 to Deposition Transcript of
Meta		3/13/2025	Exhibit 18 to Deposition Transcript of
Meta		3/13/2025	Exhibit 19 to Deposition Transcript of
Meta		3/13/2025	Exhibit 20 to Deposition Transcript of
Meta		3/13/2025	Exhibit 21 to Deposition Transcript of
Meta		3/13/2025	Exhibit 22 to Deposition Transcript of
Meta		3/13/2025	Exhibit 23 to Deposition Transcript of

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/13/2025	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 42 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/13/2025	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 44 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 45 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 46 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 47 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 51 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 52 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 53 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 54 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 55 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 56 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 57 to Deposition Transcript of [REDACTED]
Meta		3/13/2025	Exhibit 58 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 59 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 60 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		4/1/2025	Exhibit 61 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 62 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 63 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 64 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 65 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 66 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 67 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 68 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 69 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 70 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 71 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 72 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 73 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 74 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 75 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 76 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 77 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit 78 to Deposition Transcript of [REDACTED]
Meta		4/1/2025	Exhibit PM7 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		4/1/2025	Exhibit PM9 to Deposition Transcript
Meta		4/1/2025	Exhibit PM17 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM9 to Deposition Transcript
Meta		4/1/2025	Exhibit PM17 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM18 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM20 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM24 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM26 to Deposition Transcrip
Meta		4/1/2025	Exhibit PM35 to Deposition Transcript
Meta		4/1/2025	Exhibit PM45 to Deposition Transcrip
Google	Jyoti Ramnath	11/19/2024	Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 1 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 2 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 3 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 4 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 5 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 6 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 7 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 8 to Deposition Transcript of Jyoti Ramnath

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	Jyoti Ramnath	11/19/2024	Exhibit 9 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 10 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 11 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 12 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 13 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 14 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 15 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 16 to Deposition Transcript of Jyoti Ramnath
Google	Jyoti Ramnath	11/19/2024	Exhibit 17 to Deposition Transcript of Jyoti Ramnath
Snap	Kale Zicafoose	12/4/2024	Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 1 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 2 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 3 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 4 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 5 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 6 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 7 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 8 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 9 to Deposition Transcript of Kale Zicafoose

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Kale Zicafoose	12/4/2024	Exhibit 10 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 11 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 12 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 13 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 14 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 15 to Deposition Transcript of Kale Zicafoose
Snap	Kale Zicafoose	12/4/2024	Exhibit 16 to Deposition Transcript of Kale Zicafoose
Meta		10/24/2024	Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 11 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/24/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		10/24/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 29 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/25/2024	Exhibit 30 to Deposition Transcript of
Meta		10/25/2024	Exhibit 31 to Deposition Transcript of
Meta		10/25/2024	Exhibit 32 to Deposition Transcript of
Meta		10/25/2024	Exhibit 33 to Deposition Transcript of
Meta		10/25/2024	Exhibit 34 to Deposition Transcript of
Meta		10/25/2024	Exhibit 35 to Deposition Transcript of
Meta		10/25/2024	Exhibit 36 to Deposition Transcript of
Meta		10/25/2024	Exhibit 37 to Deposition Transcript of
Meta		10/25/2024	Exhibit 38 to Deposition Transcript of
Meta		10/25/2024	Exhibit 39 to Deposition Transcript of
Meta		10/25/2024	Exhibit 40 to Deposition Transcript of
Meta		10/25/2024	Exhibit 41 to Deposition Transcript of
Meta		10/25/2024	Exhibit 42 to Deposition Transcript of
Meta		10/25/2024	Exhibit 43 to Deposition Transcript of
Meta		10/25/2024	Exhibit 44 to Deposition Transcript of
Meta		10/25/2024	Exhibit 45 to Deposition Transcript of
Meta		10/25/2024	Exhibit 46 to Deposition Transcript of
Meta		10/25/2024	Exhibit 47 to Deposition Transcript of
Meta		10/25/2024	Exhibit 48 to Deposition Transcript of

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/25/2024	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 51 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 52 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 53 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 54 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 55 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 56 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 57 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 58 to Deposition Transcript of [REDACTED]
Meta		10/25/2024	Exhibit 59 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 7 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/27/2025	Exhibit 8 to Deposition Transcript o
Meta		2/27/2025	Exhibit 9 to Deposition Transcript o
Meta		2/27/2025	Exhibit 10 to Deposition Transcript
Meta		2/27/2025	Exhibit 11 to Deposition Transcript
Meta		2/27/2025	Exhibit 12 to Deposition Transcript
Meta		2/27/2025	Exhibit 13 to Deposition Transcript
Meta		2/27/2025	Exhibit 14 to Deposition Transcript
Meta		2/27/2025	Exhibit 15 to Deposition Transcript
Meta		2/27/2025	Exhibit 16 to Deposition Transcript
Meta		2/27/2025	Exhibit 17 to Deposition Transcript
Meta		2/27/2025	Exhibit 18 to Deposition Transcript
Meta		2/27/2025	Exhibit 19 to Deposition Transcript
Meta		2/27/2025	Exhibit 20 to Deposition Transcript
Meta		2/27/2025	Exhibit 21 to Deposition Transcript
Meta		2/27/2025	Exhibit 22 to Deposition Transcript
Meta		2/27/2025	Exhibit 23 to Deposition Transcript
Meta		2/27/2025	Exhibit 24 to Deposition Transcript
Meta		2/27/2025	Exhibit 25 to Deposition Transcript
Meta		2/27/2025	Exhibit 26 to Deposition Transcript

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/27/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 42 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	[REDACTED] 44 to Deposition Transcript of [REDACTED]
Meta		2/27/2025	Exhibit 45 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/28/2025	Deposition Transcript of [REDACTED]
Meta		2/28/2025	[REDACTED] 46 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 47 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 51 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 52 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 53 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 54 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 55 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 56 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 57 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 58 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 59 to Deposition Transcript of [REDACTED]
Meta		2/28/2025	Exhibit 60 to Deposition Transcript of [REDACTED]
YouTube	Katharina Ostergaard	1/15/2025	Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 1 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 2 to Deposition Transcript of Katharina Ostergaard

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 3 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 4 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 5 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 6 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 7 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 8 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 9 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 10 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 11 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 12 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 13 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 14 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 15 to Deposition Transcript of Katharina Ostergaard
YouTube	Katharina Ostergaard	1/15/2025	Exhibit 16 to Deposition Transcript of Katharina Ostergaard
Meta	Kristin Hendrix	1/23/2025	Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 1 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 2 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 3 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 4 to Deposition Transcript of Kristin Hendrix

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Kristin Hendrix	1/22/2025	Exhibit 5 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 6 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 7 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 8 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 9 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 10 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 11 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 12 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 13 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Exhibit 14 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/22/2025	Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 15 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 16 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 17 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 18 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 19 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 20 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 21 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 22 to Deposition Transcript of Kristin Hendrix

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Kristin Hendrix	1/23/2025	Exhibit 23 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 24 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 25 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 26 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 27 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 28 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 29 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 30 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 31 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 32 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 33 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 34 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 35 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 36 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 37 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 38 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 39 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 40 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 41 to Deposition Transcript of Kristin Hendrix

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Kristin Hendrix	1/23/2025	Exhibit 42 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 43 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 44 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 45 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 46 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 47 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 48 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 49 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 50 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 51 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 52 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 53 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 54 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 55 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 56 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 57 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 58 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 59 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 60 to Deposition Transcript of Kristin Hendrix

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Kristin Hendrix	1/23/2025	Exhibit 61 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 62 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 63 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 64 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 65 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 66 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 67 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 68 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 69 to Deposition Transcript of Kristin Hendrix
Meta	Kristin Hendrix	1/23/2025	Exhibit 70 to Deposition Transcript of Kristin Hendrix
Meta		11/19/2024	Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 8 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/19/2024	Exhibit 9 to Deposition Transcript o
Meta		11/19/2024	Exhibit 10 to Deposition Transcript
Meta		11/19/2024	Exhibit 11 to Deposition Transcript
Meta		11/19/2024	Exhibit 12 to Deposition Transcript
Meta		11/19/2024	Exhibit 13 to Deposition Transcript
Meta		11/19/2024	Exhibit 14 to Deposition Transcript
Meta		11/19/2024	Exhibit 15 to Deposition Transcript
Meta		11/19/2024	Exhibit 16 to Deposition Transcript
Meta		11/19/2024	Exhibit 17 to Deposition Transcript
Meta		11/19/2024	Exhibit 18 to Deposition Transcript
Meta		11/19/2024	Exhibit 19 to Deposition Transcript
Meta		11/19/2024	Exhibit 20 to Deposition Transcript
Meta		11/19/2024	Exhibit 21 to Deposition Transcript
Meta		11/19/2024	Exhibit 22 to Deposition Transcript
Meta		11/19/2024	Exhibit 23 to Deposition Transcript
Meta		11/19/2024	Exhibit 24 to Deposition Transcript
Meta		11/19/2024	Exhibit 25 to Deposition Transcript
Meta		11/19/2024	Exhibit 26 to Deposition Transcript
Meta		11/19/2024	Exhibit 27 to Deposition Transcript

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/19/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 42 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 44 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 45 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/20/2024	Exhibit 46 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 47 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 51 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 52 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 53 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 54 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 55 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 56 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 57 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 58 to Deposition Transcript of [REDACTED]
Meta		11/20/2024	Exhibit 59 to Deposition Transcript of [REDACTED]
Snap	Lauryl Schraedly	1/24/2025	Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 1 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 2 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 3 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 4 to Deposition Transcript of Lauryl Schraedly

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Lauryl Schraedly	1/24/2025	Exhibit 5 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 6 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 7 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 8 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 9 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 10 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 11 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 12 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 13 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 14 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 15 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 16 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 17 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 18 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 19 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 20 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 21 to Deposition Transcript of Lauryl Schraedly
Snap	Lauryl Schraedly	1/24/2025	Exhibit 22 to Deposition Transcript of Lauryl Schraedly
Snap	Lisa Duron	5/1/2024	Deposition Transcript of Lisa Duron 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Lisa Duron	5/1/2024	Exhibit 1 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 2 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 3 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 4 to Deposition Transcript of Lisa Duron 30(b)(6)
Snap	Lisa Duron	5/1/2024	Exhibit 5 to Deposition Transcript of Lisa Duron 30(b)(6)
Meta	Lotte Rubaek	4/1/2025	Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 1 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 2 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 3 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 4 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 5 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 6 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 7 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 8 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 9 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 10 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 11 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 12 to Deposition Transcript of Lotte Rubaek
Meta	Lotte Rubaek	4/1/2025	Exhibit 13 to Deposition Transcript of Lotte Rubaek

Ex. B: Materials Considered List

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Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		10/21/2024	
Meta		3/27/2025	
Meta	Mark Zuckerberg	3/27/2025	Exhibit 1 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 2 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 3 to Deposition Transcript of Mark Zuckerberg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Mark Zuckerberg	3/27/2025	Exhibit 4 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 5 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 6 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 7 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 8 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 9 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 10 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 11 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 12 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 13 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 14 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 15 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 16 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 17 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 18 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 19 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 20 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 21 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 22 to Deposition Transcript of Mark Zuckerberg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Mark Zuckerberg	3/27/2025	Exhibit 23 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 24 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 25 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 26 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 27 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 28 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 29 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 30 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 31 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 32 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 33 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 34 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 35 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 36 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 37 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 38 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 39 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 40 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 41 to Deposition Transcript of Mark Zuckerberg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Mark Zuckerberg	3/27/2025	Exhibit 42 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 43 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 44 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 45 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 46 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 47 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 48 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 49 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 50 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 51 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 52 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 53 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 54 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 55 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 56 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 57 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 58 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 59 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 60 to Deposition Transcript of Mark Zuckerberg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Mark Zuckerberg	3/27/2025	Exhibit 61 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 62 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 63 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 64 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 65 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 66 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 67 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 68 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 69 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 70 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/27/2025	Exhibit 71 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 72 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 73 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 74 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 75 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 76 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 77 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 78 to Deposition Transcript of Mark Zuckerberg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Mark Zuckerberg	3/28/2025	Exhibit 79 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 80 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 81 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 82 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 83 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 84 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 85 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 86 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 87 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 88 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 89 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 90 to Deposition Transcript of Mark Zuckerberg
Meta	Mark Zuckerberg	3/28/2025	Exhibit 91 to Deposition Transcript of Mark Zuckerberg
YouTube	Matt Fischer-Colbrie	3/7/2025	Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 1 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 2 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 3 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 4 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 5 to Deposition Transcript of Matt Fischer-Colbrie

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 6 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 7 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 8 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 9 to Deposition Transcript of Matt Fischer-Colbrie
YouTube	Matt Fischer-Colbrie	3/7/2025	Exhibit 10 to Deposition Transcript of Matt Fischer-Colbrie
Google	Matt Halprin	2/11/2025	Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 1 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 2 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 3 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 4 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 5 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 6 to Deposition Transcript of Matt Halprin
Google	Matt Halprin	2/11/2025	Exhibit 7 to Deposition Transcript of Matt Halprin
Snap	Matthew Jackson	11/19/2024	Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 1 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 2 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 3 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 4 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 5 to Deposition Transcript of Matthew Jackson 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Matthew Jackson	11/19/2024	Exhibit 6 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 7 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 8 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 9 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 10 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 11 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 12 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 13 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 14 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 15 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 16 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 17 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 18 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 19 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 20 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 21 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 22 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 23 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 24 to Deposition Transcript of Matthew Jackson 30(b)(6)

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Matthew Jackson	11/19/2024	Exhibit 25 to Deposition Transcript of Matthew Jackson 30(b)(6)
Snap	Matthew Jackson	11/19/2024	Exhibit 26 to Deposition Transcript of Matthew Jackson 30(b)(6)
TikTok	Matthew Tenenbaum	1/28/2025	Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 1 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 2 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 3 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 4 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 5 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 6 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 7 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 8 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 9 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 11 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 12 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 13 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 14 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 15 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 16 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 17 to Deposition Transcript of Matthew Tenenbaum

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 18 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 19 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 20 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 21 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 22 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 23 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 24 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 25 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 26 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 27 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 30 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 31 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 32 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 33 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 34 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 35 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 36 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 37 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 38 to Deposition Transcript of Matthew Tenenbaum

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Matthew Tenenbaum	1/28/2025	Exhibit 39 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 40 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 41 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 42 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 43 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 44 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 45 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 46 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 47 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 48 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 49 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 50 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 51 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 52 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 53 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit 54 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit PM7 to Deposition Transcript of Matthew Tenenbaum
TikTok	Matthew Tenenbaum	1/29/2025	Exhibit PM34 to Deposition Transcript of Matthew Tenenbaum

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Michael Rothchild	1/21/2025	Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 1 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 2 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 3 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 4 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 5 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 6 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 7 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 8 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 9 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 10 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 11 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 12 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 13 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 14 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 15 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 16 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 17 to Deposition Transcript of Michael Rothchild
Meta	Michael Rothchild	1/21/2025	Exhibit 18 to Deposition Transcript of Michael Rothchild

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Michael Rothschild	1/21/2025	Exhibit 19 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 20 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/21/2025	Exhibit 21 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 22 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 23 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 24 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 25 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 26 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 27 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 28 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 29 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 30 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 31 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 32 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 33 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 34 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 35 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 36 to Deposition Transcript of Michael Rothschild

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Michael Rothschild	1/22/2025	Exhibit 37 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 38 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 39 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 40 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 41 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 42 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 43 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 44 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 45 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 46 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 47 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 48 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 49 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 50 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 51 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 52 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 53 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 54 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 55 to Deposition Transcript of Michael Rothschild

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Michael Rothschild	1/22/2025	Exhibit 56 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 57 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 58 to Deposition Transcript of Michael Rothschild
Meta	Michael Rothschild	1/22/2025	Exhibit 59 to Deposition Transcript of Michael Rothschild
Snap	Michael Weissinger	12/18/2024	Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 1 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 2 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 3 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 4 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 5 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 6 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 7 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 8 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 9 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 10 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 11 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 12 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 13 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 14 to Deposition Transcript of Michael Weissinger

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Michael Weissinger	12/18/2024	Exhibit 15 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 16 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 17 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 18 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 19 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 20 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 21 to Deposition Transcript of Michael Weissinger
Snap	Michael Weissinger	12/18/2024	Exhibit 22 to Deposition Transcript of Michael Weissinger
Meta		1/28/2025	Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 10 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		1/28/2025	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 29 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		1/28/2025	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 42 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 44 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 45 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 46 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 47 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		1/29/2025	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit 50 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM1 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM4 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM5 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM9 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM10 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM11 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM14 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM21 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM23 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM28 to Deposition Transcript of [REDACTED]
Meta		1/29/2025	Exhibit PM30 to Deposition Transcript of [REDACTED]
Snap	Morgan Hammerstrom	2/12/2025	Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 1 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 2 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 3 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 4 to Deposition Transcript of Morgan Hammerstrom

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 5 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 6 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 7 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 8 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 9 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 10 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 11 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 12 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 13 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 14 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 15 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 16 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 17 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 18 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 19 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 20 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 21 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 22 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 23 to Deposition Transcript of Morgan Hammerstrom

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 24 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 25 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 26 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 27 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 28 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 29 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 30 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 31 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 32 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 33 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 34 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 35 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 36 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 37 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 38 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 39 to Deposition Transcript of Morgan Hammerstrom
Snap	Morgan Hammerstrom	2/12/2025	Exhibit 40 to Deposition Transcript of Morgan Hammerstrom
YouTube	Neal Mohan	4/24/2025	Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 1 to Deposition Transcript of Neal Mohan

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Neal Mohan	4/24/2025	Exhibit 2 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 3 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 4 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 5 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 6 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 7 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 8 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 9 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 10 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 11 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 12 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 13 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 14 to Deposition Transcript of Neal Mohan
YouTube	Neal Mohan	4/24/2025	Exhibit 15 to Deposition Transcript of Neal Mohan
Meta	Nick Clegg	3/20/2025	Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 1 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 2 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 3 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 4 to Deposition Transcript of Nick Clegg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Nick Clegg	3/20/2025	Exhibit 5 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 6 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 7 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 8 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 9 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 10 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 11 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 12 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 13 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 14 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 15 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 16 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 17 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 18 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 19 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 20 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 21 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 22 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 23 to Deposition Transcript of Nick Clegg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Nick Clegg	3/20/2025	Exhibit 24 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 25 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 26 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 27 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 28 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 29 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 30 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 31 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 32 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 33 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 34 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 35 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 36 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 37 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 38 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 39 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 40 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 41 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 42 to Deposition Transcript of Nick Clegg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Nick Clegg	3/20/2025	Exhibit 43 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 44 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 45 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 46 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 47 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 48 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 49 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 50 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 51 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 52 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 53 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 54 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 55 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 56 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 57 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/20/2025	Exhibit 58 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 38 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 39 to Deposition Transcript of Nick Clegg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Nick Clegg	3/21/2025	Exhibit 40 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 41 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 63 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 64 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 65 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 70 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 71 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 72 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 73 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 74 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 75 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 76 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 77 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 78 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 79 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 80 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 81 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 82 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 83 to Deposition Transcript of Nick Clegg

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Nick Clegg	3/21/2025	Exhibit 84 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 85 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 86 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 87 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 88 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 89 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 90 to Deposition Transcript of Nick Clegg
Meta	Nick Clegg	3/21/2025	Exhibit 91 to Deposition Transcript of Nick Clegg
Snap	Nona Yadegar	12/16/2024	Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 1 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 2 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 3 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 4 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 5 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 6 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 7 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 8 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 9 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 10 to Deposition Transcript of Nona Yadegar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Nona Yadegar	12/16/2024	Exhibit 11 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 12 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 13 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 14 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 15 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 16 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 17 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 18 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 19 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 20 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 21 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 22 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 23 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 24 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 25 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 26 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 27 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 28 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 29 to Deposition Transcript of Nona Yadegar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Nona Yadegar	12/16/2024	Exhibit 30 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 31 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 32 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 33 to Deposition Transcript of Nona Yadegar
Snap	Nona Yadegar	12/16/2024	Exhibit 34 to Deposition Transcript of Nona Yadegar
Meta		11/7/2024	Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 13 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/7/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		11/7/2024	Exhibit 32 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/8/2024	Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 42 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 44 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 45 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 46 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 47 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 48 to Deposition Transcript of [REDACTED]
Meta		11/8/2024	Exhibit 49 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/3/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 19 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		3/3/2025	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		3/3/2025	Exhibit 38 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Snap	Peter Sellis	2/6/2025	Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 1 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 2 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 3 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 4 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 5 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 6 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 7 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 8 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 9 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 10 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 11 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 12 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 13 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 14 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 15 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 16 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 17 to Deposition Transcript of Peter Sellis
Snap	Peter Sellis	2/6/2025	Exhibit 18 to Deposition Transcript of Peter Sellis

Ex. B: Materials Considered List

[illegible]

Ex. B: Materials Considered List

[illegible]

Ex. B: Materials Considered List

[illegible]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/13/2024	
Meta		12/13/2024	
YouTube	Raj Iyengar	3/13/2025	Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 1 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 2 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 3 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 4 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 5 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 6 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 7 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 8 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 9 to Deposition Transcript of Raj Iyengar
YouTube	Raj Iyengar	3/13/2025	Exhibit 10 to Deposition Transcript of Raj Iyengar
Meta		12/5/2024	Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 1 to Deposition Transcript o [REDACTED]
Meta		12/5/2024	Exhibit 2 to Deposition Transcript o [REDACTED]
Meta		12/5/2024	Exhibit 3 to Deposition Transcript o [REDACTED]
Meta		12/5/2024	Exhibit 4 to Deposition Transcript o [REDACTED]
Meta		12/5/2024	Exhibit 5 to Deposition Transcript o [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/5/2024	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		12/5/2024	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		12/6/2024	Exhibit 23 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		12/6/2024	Exhibit 24 to Deposition Transcript of
Meta		12/6/2024	Exhibit 25 to Deposition Transcript of
Meta		12/6/2024	Exhibit 26 to Deposition Transcript of
Meta		12/6/2024	Exhibit 27 to Deposition Transcript of
Meta		12/6/2024	Exhibit 28 to Deposition Transcript of
Meta		12/6/2024	Exhibit 29 to Deposition Transcript of
Meta		12/6/2024	Exhibit 30 to Deposition Transcript of
Meta		12/6/2024	Exhibit 31 to Deposition Transcript of
TikTok	Reagan Maher	2/21/2025	Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 1 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 2 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 3 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 4 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 5 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 6 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 7 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 8 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 9 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 10 to Deposition Transcript of Reagan Maher

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Reagan Maher	2/21/2025	Exhibit 11 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 12 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 13 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 14 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 15 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 16 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 17 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 18 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 19 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 20 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 21 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 22 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 23 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 24 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 25 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 26 to Deposition Transcript of Reagan Maher
TikTok	Reagan Maher	2/21/2025	Exhibit 27 to Deposition Transcript of Reagan Maher
YouTube	Reid Watson	3/12/2025	Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 1 to Deposition Transcript of Reid Watson

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Reid Watson	3/12/2025	Exhibit 2 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 3 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 4 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 5 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 6 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 7 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 8 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 9 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 10 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 11 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 12 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 13 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 14 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 15 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 16 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 17 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 18 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 19 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 20 to Deposition Transcript of Reid Watson

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Reid Watson	3/12/2025	Exhibit 20a to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 21 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 22 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 23 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 24 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 25 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 26 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 27 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 28 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 29 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 30 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 31 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 32 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 33 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 34 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 35 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 36 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 37 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 38 to Deposition Transcript of Reid Watson

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Reid Watson	3/12/2025	Exhibit 39 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 40 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 41 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 42 to Deposition Transcript of Reid Watson
YouTube	Reid Watson	3/12/2025	Exhibit 43 to Deposition Transcript of Reid Watson
TikTok	Ryn Linthicum	4/17/2025	Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 1 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 2 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 3 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 4 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 5 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 6 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 7 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 8 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 9 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 10 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 11 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 12 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 13 to Deposition Transcript of Ryn Linthicum

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Ryn Linthicum	4/17/2025	Exhibit 14 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 15 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 16 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 17 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 18 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 19 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 20 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 21 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 22 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 23 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 24 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 25 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 26 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 27 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 28 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 29 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 30 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 31 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 32 to Deposition Transcript of Ryn Linthicum

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Ryn Linthicum	4/17/2025	Exhibit 33 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 34 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 35 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 36 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 37 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 38 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 39 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 40 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 41 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 42 to Deposition Transcript of Ryn Linthicum
TikTok	Ryn Linthicum	4/17/2025	Exhibit 43 to Deposition Transcript of Ryn Linthicum
TikTok	Sandeep Grover	2/27/2025	Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 1 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 2 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 3 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 4 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 6 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 7 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 8 to Deposition Transcript of Sandeep Grover

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Sandeep Grover	2/27/2025	Exhibit 9 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 10 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 11 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 12 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 13 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 14 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 15 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 16 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 17 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 18 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 19 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 20 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 22 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 23 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 24A to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 24B to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 24C to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 25 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 26 to Deposition Transcript of Sandeep Grover

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Sandeep Grover	2/27/2025	Exhibit 29 to Deposition Transcript of Sandeep Grover
TikTok	Sandeep Grover	2/27/2025	Exhibit 27 to Deposition Transcript of Sandeep Grover
Google	Sharon Stovezky	12/11/2024	Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 1 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 2 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 3 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 4 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 5 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 6 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 7 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 8 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 9 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 10 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 11 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 12 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 13 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 14 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 15 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 16 to Deposition Transcript of Sharon Stovezky

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Google	Sharon Stovezky	12/11/2024	Exhibit 17 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 18 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 19 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 20 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 21 to Deposition Transcript of Sharon Stovezky
Google	Sharon Stovezky	12/11/2024	Exhibit 22 to Deposition Transcript of Sharon Stovezky
Meta		2/11/2025	Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 12 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/11/2025	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 16 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 17 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 18 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 19 to Deposition Transcript of [REDACTED]
Meta		2/11/2025	Exhibit 20 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 21 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 22 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 23 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 24 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		2/12/2025	Exhibit 30 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		2/12/2025	Exhibit 31 to Deposition Transcript of
Meta		2/12/2025	Exhibit 32 to Deposition Transcript of
Meta		2/12/2025	Exhibit 33 to Deposition Transcript of
Meta		2/12/2025	Exhibit 34 to Deposition Transcript of
YouTube	Shimrit Ben-Yair	3/20/2025	Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 1 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 2 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 3 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 4 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 5 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 6 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 7 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 8 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 9 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 10 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 11 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 12 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 13 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 14 to Deposition Transcript of Shimrit Ben-Yair

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 15 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 16 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 17 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 18 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 19 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 20 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 21 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 22 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 23 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 24 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 25 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 26 to Deposition Transcript of Shimrit Ben-Yair
YouTube	Shimrit Ben-Yair	3/20/2025	Exhibit 27 to Deposition Transcript of Shimrit Ben-Yair
Meta		11/18/2024	Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 5 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/18/2024	Exhibit 6 to Deposition Transcript o
Meta		11/18/2024	Exhibit 7 to Deposition Transcript o
Meta		11/18/2024	Exhibit 8 to Deposition Transcript o
Meta		11/18/2024	Exhibit 9 to Deposition Transcript o
Meta		11/18/2024	Exhibit 10 to Deposition Transcript
Meta		11/18/2024	Exhibit 11 to Deposition Transcript
Meta		11/18/2024	Exhibit 12 to Deposition Transcript
Meta		11/18/2024	Exhibit 13 to Deposition Transcript
Meta		11/18/2024	Exhibit 14 to Deposition Transcript
Meta		11/18/2024	Exhibit 15 to Deposition Transcript
Meta		11/18/2024	Exhibit 16 to Deposition Transcript
Meta		11/18/2024	Exhibit 17 to Deposition Transcript
Meta		11/18/2024	Exhibit 18 to Deposition Transcript
Meta		11/18/2024	Exhibit 19 to Deposition Transcript
Meta		11/18/2024	Exhibit 20 to Deposition Transcript
Meta		11/18/2024	Exhibit 21 to Deposition Transcript
Meta		11/18/2024	Exhibit 22 to Deposition Transcript
Meta		11/18/2024	Exhibit 23 to Deposition Transcript
Meta		11/18/2024	Exhibit 24 to Deposition Transcript

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/18/2024	Exhibit 25 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 26 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 27 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 28 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 29 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 30 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 31 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 32 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 33 to Deposition Transcript of [REDACTED]
Meta		11/18/2024	Exhibit 34 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 35 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 36 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 37 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 38 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 39 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 40 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 41 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 42 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		11/19/2024	Exhibit 43 to Deposition Transcript of [REDACTED]
Meta		11/19/2024	Exhibit 44 to Deposition Transcript of [REDACTED]
YouTube	Tanaya Kasavana	1/28/2025	Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 1 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 2 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 3 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 4 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 5 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 6 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 7 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 8 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 9 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 10 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 11 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/28/2025	Exhibit 12 to Deposition Transcript of Tanaya Kasavana
YouTube	Tanaya Kasavana	1/29/2025	Deposition Transcript of Tanaya Kasavana
Meta	Vaishnavi Jayakumar	1/30/2025	Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 1 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 2 to Deposition Transcript of Vaishnavi Jayakumar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 3 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 4 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 5 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 6 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 7 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 8 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 9 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 10 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 11 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 12 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 13 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 14 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 15 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 16 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 17 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 18 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 19 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 20 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 21 to Deposition Transcript of Vaishnavi Jayakumar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 21A to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 22 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 23 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 24 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 25 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 26 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 27 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 28 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 29 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 30 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 31 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 32 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 33 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/30/2025	Exhibit 34 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 35 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 36 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 37 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 38 to Deposition Transcript of Vaishnavi Jayakumar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 39 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 40 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 41 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 42 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 43 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 44 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 45 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 46 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 47 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 48 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 49 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 50 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 51 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 52 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 53 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 54 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 55 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 57 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 58 to Deposition Transcript of Vaishnavi Jayakumar

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 59 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 60 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 60A to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 61 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 62 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 63 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 64 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 65 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 66 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 67 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 68 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 69 to Deposition Transcript of Vaishnavi Jayakumar
Meta	Vaishnavi Jayakumar	1/31/2025	Exhibit 70 to Deposition Transcript of Vaishnavi Jayakumar
TikTok	Victoria McCullough	2/19/2025	Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 1 to Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 2 to Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 3 to Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 4 to Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 5 to Deposition Transcript of Victoria McCullough

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
TikTok	Victoria McCullough	2/19/2025	Exhibit 6 to Deposition Transcript of Victoria McCullough
TikTok	Victoria McCullough	2/19/2025	Exhibit 7 to Deposition Transcript of Victoria McCullough
Meta		1/28/2025	Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 1 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 2 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 3 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 4 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 5 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 6 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 7 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 8 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 9 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 10 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 11 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 12 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 13 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 14 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 15 to Deposition Transcript of [REDACTED]
Meta		1/28/2025	Exhibit 16 to Deposition Transcript of [REDACTED]

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
Meta		1/28/2025	Exhibit 17 to Deposition Transcript of
Meta		1/28/2025	Exhibit 18 to Deposition Transcript of
Meta		1/28/2025	Exhibit 19 to Deposition Transcript of
Meta		1/28/2025	Exhibit 20 to Deposition Transcript of
Meta		1/28/2025	Exhibit 21 to Deposition Transcript of
Meta		1/28/2025	Exhibit 22 to Deposition Transcript of
Meta		1/28/2025	Exhibit 23 to Deposition Transcript of
Meta		1/28/2025	Exhibit 24 to Deposition Transcript of
Meta		1/28/2025	Exhibit 25 to Deposition Transcript of
Meta		1/28/2025	Exhibit 26 to Deposition Transcript of
Meta		1/28/2025	Exhibit 27 to Deposition Transcript of
Meta		1/28/2025	Exhibit 28 to Deposition Transcript of
Meta		1/28/2025	Exhibit 29 to Deposition Transcript of
Meta		1/28/2025	Exhibit 30 to Deposition Transcript of
Meta		1/28/2025	Exhibit 31 to Deposition Transcript of
Meta		1/28/2025	Exhibit 32 to Deposition Transcript of
Meta		1/28/2025	Exhibit 33 to Deposition Transcript of
Meta		1/28/2025	Exhibit 34 to Deposition Transcript of
Meta		1/28/2025	Exhibit 35 to Deposition Transcript of

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Woojin Kim	3/11/2025	Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 1 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 2 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 3 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 4 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 5 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 6 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 7 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 8 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 9 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 10 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 11 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 12 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 13 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 14 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 15 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 16 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 17 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 18 to Deposition Transcript of Woojin Kim

Ex. B: Materials Considered List

Defendant	Witness	Date	Description
YouTube	Woojin Kim	3/11/2025	Exhibit 19 to Deposition Transcript of Woojin Kim
YouTube	Woojin Kim	3/11/2025	Exhibit 20 to Deposition Transcript of Woojin Kim

Exhibit C

Compensation Statement

My hourly rate for all work performed is \$750.00.

Exhibit D

Prior Testimony

Deposition and Trial Testimony in the last five (5) years: None.